A WEEKLY JOURNAL OF AFFAIRS

Relating to the Farm, the Garden, and the Household.

NEW SERIES.

DETROIT, SATURDAY, MAY 28, 1859.

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The Michigan Farmer, R. F. JOHNSTONE, EDITOR.

DETROIT MICHIGAN. The Michigan Farmer presents superior facilities to usiness men, publishers, manufacturers of Agricultural mplements, Nursery men, and stock breeders for adver-

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Monthly, or Harper's Magazine to any address for \$4,00
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The Farm.

Michigan State Agricultural Society.

LIST OF PREMIUMS

Annual Exhibition of Live Stock, Agricul-

Division A .- Cattle

CLASS 1—SHORTHORNS.

Committee—C. L. Shepard, Avon, N. Y.; Gilbert
Gage, Dover, Lenawee county; Chester Yost, Ypsilanti; Samuel Lyndon, Plymouth; Wm. Whitfield, Waterford.

Best buil, 4 years or over \$20 | Best cow 5 years or over \$30 | 2d do 10 | 2d do

ington.
The premiums same as for Class 1.

CLASS 4-AYRSHIRES. Same premiums, with the exception that no third premiums will be awarded in this class.—Judges same as Class 2.

CLASS 5-ALDERNEYS. Same as in Class 4.

CLASS 6-HERDS OF SHORTHORNS. Committee—Col. John Prince, Sandwich, C.W.; Geo. W. Rood, Lapeer; A. C. Harris, Toledo, Ohio; Geo. McKenzie, Dover, Lenawee county; D. O. Woodruff, Niles, Berrien county.

DEVONS AND HEREFORDS. Committee—His Excellency Gov. Wisner, Pontiac; Cyrus Fuller, Plymouth; Wm. H. McHardy, Almont; Titus Dort, Dearborn; Oliver Burdick,

Note—No animal is debarred from competing in this class, because it has been entered in its specific class as an individual competitor.

The rule in relation to pedigree and condition for breeding purposes applies as fully in this class as in any other.

CLASS 7-CROSS OF BLOOD CATTLE. Committee—H. O. Hanford, Plymouth; Frederick Fowler, Hillsdale; Lorenzo D. Hoard, Etna; Henry Warner, Dexter; J. D. Yerkes, Northville.

Henry Warner, Dexter; J. D. Yerkes, Northville.

Best cow 4 yrs old or over \$12| Best heifer 2 years old... \$8 2d do 5

Best heifer 3 years and 2d do ... \$6 2d do ... \$6

2d best heifer 3 years and 2d height yearling heifer ... \$6

It shall be the duty of the Committee to require that the exhibitor prove direct descent and purity of blood in both sire and dam of animals entered in this class for competition. A cross blood animal is not a grade. It is supposed to be an animal bred from full blood ancesters, but of different breeds. This breeding may run back, however; for instance: having a dam half Devon and half burham, and a sire of the same breeding, would be a cross blood in the full meaning of the term. But the exhibitor should prove the descent, to the satisfaction of the committee.

CLASS 8-GRADES AND NATIVES.

CLASS 9-WORKING OXEN.

Innual Exhibition of Live Stock, Agricul-tural and Horticultural Implements and Hadley; Perez Lincoln, Coldwater.

CLASS 10-STEERS.

CLASS 2—DEVONS.

Committee—Warren Frink, Battle Creek; William Ten Eyck, Dearborn; William Wine, Adrian; J. W. Best milch (Goodrich, Goodrich; J. H. Button, Farmbright of the premiums same as for Class 1.

mittee as in Class 1, but no third premiums will be | tober, and there shall be at least forty days between awarded in this class. the two periods.

Each term of trial shall last for ten consecutive

Each term of trial shall last for ten consecutive days, and during that time a record shall be kept, showing the quantity of milk by weight, and the quantity of butter made from the milk. A statement of the same shall be furnished with the butter, as also a statement of the method of making it, the age of the cow, her breed and the time of calving. The statement to be verified to the entire satisfaction of the committee. No premium will be awarded in any case, without such statement, as it is the desire of the Society to ascertain with as much precision as possible, correct data relative to the value of milch cows and their breeding.

The fair of 1859 will be a sweepstakes fair, for eign bred cattle being admitted to compete, no animal will be excluded on account of having drawn a first premium at previous fairs of this

Division B.-Horses.

CLASS 1-HORSES FOR ALL WORK.

Committee—Geo. D. Hill, Ann Arbor; Wm. H. Jennings. Rochester; James Peterson, Coldwater; P. Twombly, Detroit; Fred. White, Buchanan.

CLASS 2-BLACK HAWKS AND MORGANS. Committee—E. O. Humphrey, Kalamazoo; W. A. Hawkins, Ypsilanti; S. M. Seely, Coldwater; Charles Ferguson, Almont; Abner Barnard, Adrian.

The owners of all animals competing in this list must be able to show to the satisfaction of the committee that they each possess a clean pedigree tracing back to Justin Morgan or Hill's Black Hawk, on the side of sire; and preference to be given to those that show Morgan or Black Hawk breeding on both sides, so far as pedigree is concerned. In trials of this family, speed and road action as well as form and style are considered as tests. Size is not a point, the original being only fourteen hands in height. Still in a general view, all things else being considered equal, for breeding purposes, the principle being that the horse of size must also be the horse of superior stride, this point is not to be left out entirely.

CLASS 3-THOROUGHBRED HORSES.

Committee-Hon. C. E. Stuart, Kalamazoo; S. P. Brady, Detroit; W. S. H. Welton, Grand Rapids; Wm. Henderson, Novi; Harry Gould, Chicago. Premiums same as "Horses of all Work." The competitors who enter Thoroughbred

Horses will note:

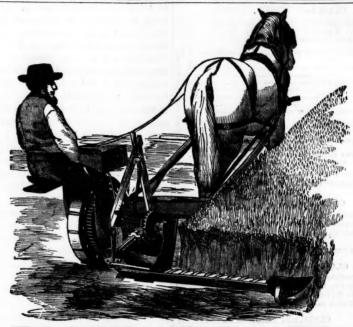
1st. That the judges will be required to reject
any animal whose pedigree is not well authentica
ted, and which cannot be traced back without
flaw on either side of sire or dam to well known
English theremethered tree!

English thoroughbred stock, English thoroughbred stock,

2d. Soundness, symmetry and size, as well as the
utility of the animal for improving the stock of
horses in this State, should be considered. The
pedigree settles the question as to blood and
breeding.

CLASS 4-HORSES PARTLY THOROUGHBRED. Committee—H. H. Emmons, Detroit; E. Van Valkenburgh, Hillsdale; C. Beardsley, Pontiac; C. Larue, Lansing; J. H. Rodwell, Adrian.

| Best stallion 4 years old | Best mare 4 years, with colt at her side | \$15 do | 10 d



KIRBY'S LITTLE BUFFALO HARVESTER-AS A MOWER.

into so general use and have so fully vindicated their worth, that they have become a nedoubled the grain crop of our own country, and have rendered possible and profitable the immense wheat fields which are now waving on our western prairies. Yet there is one class of farmers (and a large class too) whose wants in this line have not hitherto been supplied and who have consequently been obliged to compete with their neighbors on very unemeet the wants of this class the manufacturers Harvester having proved to be so successful

Mowing and reaping machines have come result of the season's test was a perfect triumph for the machine, and the manufacturers now offer the "Little Buffalo Harvester" to cessity to the farmer. They have more than the public as a thoroughly successful Mower and Reaper, and as the only One Horse Combined Machine yet invented and the only one in market.

Kirby's Little Buffalo Harvester is constructed upon the same principle, and possesses all the distinguishing characteristics and advantages of the American Harvester, recently illustrated in our columns. Like the qual terms. This is the class who own small American Harvester, it is made mostly of farms, not large enough to warrant them in iron; has the same independent action of finbuying the large and more expensive machines, and who frequently keep but one and permitting the cutter's to be set at any horse with which to use such machines. To height both for mowing and reaping; a lever at the drivers side with which he can elevate offer the "Little Buffalo Harvester," a One the finger bar at pleasure; another lever in Horse Mower and Reaper which has proved front of him to throw the cutter out and in to be a perfect success. Kirby's American gear; the driver in his seat balancing the weight of the frame; a balance wheel driving in its work and so light in draft—far excell- head; freedom from side draft and clogging; ing all other machines in this particular-it light draft; low price; simplicity; durability; occurred to the manufacturers that the long all these desirable features are combined in sought desideratum, a successful one horse the Little Buffalo Harvester. It cuts a swath harvester might be constructed upon the same but one foot narrower than the American principle. They accordingly instituted experi- Harvester and is capable of cutting from ments which resulted in the production of eight to twelve acres of grass and from ten to the Little Buffalo Harvester. They built a fifteen of grain per day, and, although it perfew of these machines in the spring of 1858 forms as much work as most two horse mabut having witnessed so many failures of ma-chines, is easily handled by one horse. Both chines that had been put into market before thills and pole are furnished with each mathey had been subjected to any practical tests, chine, so that it can be used with a single they determined not to advertize these nor offer horse or a span of ponies at pleasure. Every them to the public until they had been tho- machine is fully warranted. These machines roughly tested and subjected to the various are manufactured by the Buffalo Agricultural trials incident to a whole season's constant Machine Works, Buffalo, N. Y., and for sale use. They therfore put them into the hands by their agents in every county. We shall of practical farmers with directions to test next week give an illustration of the Buffalo them through the season as thoroughly as it Harvester as a Reaper.

ing points:—1. Size; 2. Symmetry; 3. Action; ker, Detroit; Dr. Hays. Marshall; F. V. Smith, 4. Value as carriage stock.

was possible to do, in all kinds of work. The

CLASS 5-DRAUGHT HORSES.

Committee—Titus Dort, Dearborn; Peabody Cook, Niles; A. Wales, Roseville, Macomb Co.; Thomas Clark, Lapeer; T. F. Gerls, Troy.

These animals are intended for breeding pur

These animals are intended for breeding pur poses, and should be tested to draught, and reference should be had to the points that constitute a draught horse and a breeder at the same time.—
Great size and weight, combined with free action, is important. The perfect draught horse should stand low on limbs somewhat heavy, but clean as possible, with great breadth of loin and buttock, flank well let down, and muscles connecting hind quarters with body full; the barrel round and deep; the back somewhat short and broad; the chest the back somewhat short and broad; the chest both deep and broad; the shoulder somewhat straight, and the withers of good height; the neck not too heavy and somewhat short; the head small in proportion to size of horse. Size should be close upon 16 hands and weight not less than 1,200 pounds. A leggy animal for draught is always to be considered defective, as a breeder especially. Best stallion 2 years old. \$8. Best draught filly 2 yrs. \$7 2d do 6 2d do 5 2d do 4 2 4 2d do 4 2 4 2d do 5 2d the back somewhat short and broad; the che

The viewing committee are to test all animals entered for the last four premiums by actual

CLASS 6-TROTTING HORSES. Committee-M. E. Crofoot, Pontiac; K. C. Bar-

The committee will test all the animals entered in this class either by time or trial otherwise, un-der such rules as may be deemed necessary to pre-serve good order, and to determine the merits of the competitors.

CLASS 7-STABLE OF COLTS.

Committee—H. H. Norton, Howell; H. A. Till-otson, Marshall; J. M. Lamb, Lapeer; Charles Baldwin Rochester, —— Phillips, Romeo.

CLASS 8-MATCHED HORSES. Committee-W. S. Wiltox, Adrian; O. M. MarJACKS AND MULES.

Committee-Same as that for Horses of all Work For the best Maltese jack, proved to be a good stock getter, and which has been kept in this State for months previous to exhibition, said jack to be not less than 18 hands in height

Division C.-Sheep, Swine and Poultry.

CLASS 1-SPANISH MERINOES.

Commi tee-Geo. W. Lovel', Kalamazoo; Calvin Wheeler, Summit; Harvey Grey. Lapeer; Allen Crittenden, Ypsilanti; R. C. Rumsey, Brighton.

All ewes three years old or over shall have reared a lamb during the year.

CLASS 2-FPENCH MERINOES.

Committee—A. S. Williams, Owosso; John Jtarkweather, Ypsilanti; Fred. Williams, Pontiac: — Merrill, Berrien; John A. Rucker, Grosse Isle. Same premiums as for Class 1.

CLASS 8-SAXON AND SILESIAN. Committee—E. Arnold, Dexter; Gen. J. S. Goe, Brownsville, Pa.; Charles Clark, Springfield Ohio; Phineas White, Lapeer; Payne K. Leach, Utica. Premiums same as for Class 1.

CLASS 4-SOUTHDOWNS. Committee—A. Wakeman, Hartland; William Smith, Detroit; Jay Olmstead, Lyons; Dr. J. Per-kins, Springville; Howell Johnson, Plymonth. Premiums same as Class 1.

CLASS 5-LEICESTER AND COTSWOLDS. Committee—S. B. Brown, St. Clair; B. O. Williams, Owosso; E. T. Bryan, Marshall; B. Peckham, Parma; W. H. Miller, Moscow.
Premiums same as in Class 1.

CLASS 6-FAT SHEEP.

Committee—Mark Flanigan. Detroit; Norman Allen, Parma; A. N. Kimmiss, Novi; Samuel How-lett, Detroit; S. D. McDowell, Ann Arbor. Best pen of 5 fat sheep.....

Committee—S, P. Wormley, Marshall; Horace D. Rood, Lapeer; John Pridgeon, California, Branch county; Rufus Thayer, Northville, E. H. Cresay, Royal Oak.

Premiums to the same amount are offered for the same kinds of Suffolk Swine. Premiums to the same amount are offered for the same kinds of pure Leicester swine. Premiums to the same amount are offered for the same kinds of Berkshire swine.

Premiums to the same amount are offered for the same kinds of any other pure bred swine of breeds not enumerated; the committee to deter mine whether they are worthy of the encourage-ment of the Society.

GRADES AND CROSS BRED SWINE. For the best grade or cross bred boar, 2 years

For the best grade or cross bred breeding sow, 2 years old ...

For the best grade or cross bred breeding sow, 2 years old or over

For do do 1 year old ...

For the best lot of grade or cross bred pigs not less than 4 in number, and not less than 10 months old

For the second best do do

The committee will note that there are some The committee will note that there are some breeds not mentioned by name which are deserving of notice, if any individuals should be entered for premiums. Such are the Byfield, Chester and Grass Fed, all native varieties, and amongst the foreign are the Chinese, the Neapolitan, the large Yorkshires and the Lincoln. Should any of these be offered for premiums, the exhibitor must be able to prove purity of blood and directness of descent, or be content to enter amongst the grades and crosses.

and crosses.

In case an award is made to a single individual of a litter, and the litter is entered for premiums, there must be four in number without the one en tered for a special premiums, but the pig need not be ruled out of the litter otherwise, as the sow as a breeder is entitled to show the whole of her progeny, no matter what the number.

CLASS 8-POULTRY.

Committee—N. W. Quackenboss, Owosso; Peter Desnoyers, Detroit; — Woodruff, Ann Arbor; A. A. Gardner, Northville; Francis Clark, Ypsi-

--- \$2 Best lot of order to consideration numbers to consideration numbers to consideration numbers to consideration of the construction of the construct Best pair of Brennes Best pair of China geese or African geese Best pair of China geese or African geese Best pair of Muscovy Ducks 2
Best pair of Alpebury ducks 2
Best pair of common ducks 2
Best pair of Guinea fowls 3
Best pair of pea fowls 3
Best pair of fancy rabbits 3
Best pair of domestic pigeons, and greatest variety breeds 3

(To be continued.)

Building Kilns and Burning Lime.

MR. EDITOR-Agreeably to your request, I will now proceed to furnish, through the medium of your paper, the information desired turing what is called "wood-burnt lime."-Cape May Court House, relative to the con- as before mentioned, only it may be "let out" first, as to the building of a wood-kiln: The breast wall should be 26 feet long, 4 feet should be left in the middle, at the foundation, for the arch of the breast, and the arch should be 51 feet high at the apex, and taper to 2 the pot, so as to form the eye of the kiln .-Then the pot is to be started, at the same time, with the breast and arch, with a wall 16 inches thick, 5 feet wide in the clear, by 6 at the height of 11 feet, it attains the dimensions of 15 feet wide by 16 deep, and then be carried up straight 5 feet to the top. The space inside of the breast and around the pot must be filled in compactly with earth, as the work progresses. It is best to select, if possible, a side-hill as a site for the kiln, as it will require less artificial embankment.

2. As to filling the kiln, in order to burn it off with wood: Build a wall 8 inches thick and 18 inches high, around the bottom of the pot, leaving an aperture at the eye of the kiln 2 feet in width; on this wall place a layer of limestone, (not more than 8 inches long at mit the draft. After the coal is ignited by let the horse hoes again run through them. first,) and then go on with successive layers of kindling, at the bottom, the kiln requires no limestone, gradually increasing the thickness farther "tending," but may be left to itself to in such a way as to form a regular arch; this burn off. may be closed 18 inches above the top of the eye, so that the distance from the bottom of the pot to the keystone will be 7 feet. This is called "arching kiln," and requires considerable care and skill. After the kiln is arched and leveled off, nothing remains to be done, the top. The kiln ought not to be less than except to go on filling up with successive 20 feet deep, and the bulge or greatest cirlayers of limestone until the kiln is a little cumference should be about 5 feet from the more than even full; and then it may be "topped off" in the shape of a cone, with small is the best-one ton of coal to every hundred limestone.

3. The kiln being now filled, the next step is to prepare for burning. To do this, you must first put in a "false eye"—that is, close the lime may be always fresh. up the eye of the kiln with a loose wall, of the top, 18 inches wide and 2 feet high, to admit of the feeding of the kiln with wood, near the bottom of the eye, 12 inches square, for the draft. This false eye, and that part of take him round to some of the numerous the breast-arch next to the pot, and the pot sandstone or soap stone.

4. The next process is to "burn off" the kiln. You begin by kindling a fire at the Survey of the State Roads-Letter from the decay of the bone (caries) sets in, which bottom of the pot, under the arched limestone, and keep it up by a supply of wood through the upper sperture of the eye: The kiln at first will take the wood very slowlynot more than two cords the first 12 hours .-As the mass of limestone becomes heated, the wood may be supplied more freely, and you may put in a "charge" of about onesixth of a cord at intervals of from 15 to 20 a fire as you reasonably can. On finishing kiln to the depth of from 4 to 6 iuches at the top, it is a sure indication that it is burned enough.

A kiln of the foregoing dimensions will hold require nearly 88 tons of stone to fill the kiln. Four hands will fill a kiln in 11 days, and 2 hands working alternately 12 hours each, will burn it off in 48 hours. From these data, your correspondent can estimate the cost of burning a kiln at Cape May for himself. The cost of burning a kiln, if the stone can be furnished on the ground at 50 cents per perch, would be about \$200.

The foregoing remarks apply to a kilu intended for purely wood burnt lime. But if the same kind of kiln, be filled in the same way above described, until the first course of limestone is put in above the arch, and then a layer of anthracite coal is put around the walls to alternate with each layer of the limestone, a top may be put on the kiln to the height of four feet, so as to make the kiln

formly adopted in this region, for manufacby your friend, Richard C. Holmes, Esq., of The method of tending this kiln is the same struction of lime-kilns, and the burning of at the expiration of 86 hours, or when lime, and certain incidental matters relating the arch is sufficiently burned, as indicated by thereto. We have in this county, (Montgom- the settling: the coal, however, will continue ery, Pa.,) three different kinds of kilns: And to burn for some hours longer, until all the upper layers of stone are calcined.

When the kiln is burned off, the false eye thick, and 16 feet high; a space of five feet is taken out so as to afford a clear open space into the pot under the arch; the arch is then thrown gradually, and the lime falling which will separate your seed; with this, down on a wooden platform prepared for the feet in width at the point where it opens into purpose, is measured or loaded up with great show your rows. Then put in a heap, and facility and convenience.

A Set-Kiln is built precisely like a woodkiln; only it has a middle bench at the botinner wall: each layer of limestone is to be 18 inches thick, to be followed by a layer of the roller over all, and they are finished. anthracite coal 11 inches thick, and so on alternately, until the kiln is full. A kiln holding 1,700 bushels will require 10 tons of coal to burn it: the kind called stove coal is best, it will born off in about 4 days or 96 hours; appearance; when you can trace them, use that portion of the limestone contiguous to the eye of the kiln, and covered in the pot must be plastered over with clay-mud; an aperture is left at the bottom of the eye to ad-

A draw kiln is built with a round pot; is much smaller than a set kiln, and it has no bench; a good size is 2 feet in diameter at the bottom, tapering back to the width of 71 feet at the bulge, and then carried plumb to top. The only fuel is anthracite coal-stove bushels of lime. Two hundred bushels of lime may be drawn every 24 hours, and the great advantage of this kind of kiln is that

writing; and I beg leave, therefore, to say, in conclusion, that if Mr. Holmes, whom you Norristown, and call on me, I will cheerfully lime-kilns in this vicinity, and show him how self.—X, in Germantown Telegraph.

Mr. Yeomans, one of our Commissioners, is suffering from ill health, and has decided to leave us for a time and go to Grand Traverse Bay, hoping this change will improve his color, and become at first whitish and then health; if not, he will return to his home in pearly color, the skin in the cleft of the foot Ionia. He drank very freely from Swamp in the meantime being redder, more like the ice water last week, and that in connection natural color. Then follows a watery diswith the extreme heat in these dense pine minutes; the rule being, to keep up as brisk and cedar forests, has probably caused his illnesss. He will convey this letter as far as he each charge, the aperture for the wood is goes and then mail it. With this single exclosed with a thin iron door or plate, which ception onr company are all very well. We may readily be taken off for the next charge, have made examinations all around this lake, and then be put on again, as before. The and shall begin again this afternoon to run wood is cut 4 feet long, and is first put into the line of our road upon the east side of it. the eye, and then pushed into the fire with a pole. The kiln will be burnt off in 48 hours or thereabouts; when the lime settles in the kiln to the depth of from 4 to 6 juches at the the map. This is a magnificent sheet of wa- tirely in the course of about three to four ter, measuring ten miles in width. Much of weeks. the adjacent land, however, is low and marshy. We find no white men at this place and no 1,400 bushels, and will require 26 cords of permanent native inhabitants—a few Indian oak wood to burn it. Each ton of limestone trappers only. I have taken a ramble with will make 16 bushels of lime, so that it would old chief Nouarva of the Ottawa tribe in Wisconsin. He is a fine old man, and a great hunter; he has with him eleven bear skins and many other furs. I think him all of seventy-five or eighty years of age. He does not know his age. The season for hunting and obtaining furs is now over, and to-day he leaves with his men, for their native home. The change in the weather since last Saturday is most astonishing. Up to that time snow and ice were plenty, with cold weather; now suddenly, as if by magic, we are in the land of violets of every hue, and many other beautiful flowers, and almost the atmosphere of the tropics; and all this without changing our locality at all. Two of our horses have

of Chestnut coal, the lime being almost, if move so slowly, not averaging more than in good condition.—CARL HEYNE, in Journal not quite, as good as if burnt exclusively with three miles per day. From this last place we of the New York State Agricultural Sociewood. This latter is the method almost uni shall return home where we shall be glad ty. again to meet kindred and friends.

> Houghton Lake, May 5th, 1859. -Detroit Tribune.

Sowing Carrot Seed.

A writer in the Country Gentleman, gives the following directions for sowing carrot seed, and cultivating the young plants:

"The seed should be prepared as follows, at least ten days before sowing, three pounds of seed to the acre; to this add one bushel of fine, dry sand-mix them well together, throw a couple of handfuls of buckwheat, to water the outside with liquid manure-turn over each day, and water with the same. This allows the seed to germinate equally. tom, of an oval form, of the same height (18 After sowing, I cover with a brush harrow, feet deep, and gradually battering back until, inches) as the thin wall around the pot, so which is simply an old gate with brushwood, that in filling, one end of the first course of such as oak or birch, worked in between the stone rests on the bench and the other on the bars; run this harrow first the same way your drills were opened, then cross them, and run

If your land should be dirty, you will see weeds before carrots. Having mixed buckwheat with your seed, you can trace your rows, and set your horse hoes to work to keep the weeds down until your plants make their hoes three inches wide to thin them. Move along and let two or three plants stand together; that will be an opening of three inche between each tuft. After this thinning, A week after this, go along again with hand hoes, and then thin to one in each place; you must be kept going among them until the then take care of themselves.

The Foot Rot in Sheep.

How I recognize it, and method of treatment.

The foot rot is essentially an inflammation of the softer parts of the foot, about the horny covering on the hoof, which is contagious; so if it once appears and is not checked, the whole flock is generally injured. The It is difficult, however, to communicate full disease may be known by the following sympthe depth of 4 feet, leaving an aperture near and satisfactory information of their nature in toms: The animal limps, walking as if the feet were painful; the hoofs are hot, and the skin adjoining swells, with symptoms of fever and also another smaller aperture below, and can furnish with my address, will come to being alternately hot and cold. The ears and legs both are hot and cold by spells. The inflammation is partly in the cleft of the foot, partly in the toes under the hoof, and partly itself, must all be built of some kind of stone they are built, and he can see the process of under the edge and thin part of the hoof .that will resist the action of fire, such as red filling the kilns and burning the lime for him- The appetite fails as soon as the fever appears. If the fever abates and the appetite returns, it will go well with the sheep, unless symptom attends the most malignant form of the foot rot. On the second or third day following the appearance of the disease, the hoof and adjoining parts los: their reddish charge of exceedingly offensive odor; the skin separates from the parts beneath, and the foot becoming more painful the lameness increases. The inflammation continues to increase, and extends farther under the hoof extensively both parts of the foot, on both

REMEDY .- As soon as the true malignant rot is discovered in the flesh, the diseased sheep must be separated from the healthy ones, and the stables must be cleaned. The best remefor this disease that I hape found is butter of antimony) and spirits of hartshorn. The spirits of turpentine and blue vitriol mixed together are also very good. The animal must be turned up on its rump, that the foot can be thoroughly examined, and all that does no harm. The foot must then be smeared with the mixture of turpentine and must not be allowed to go in any soft or dirty place, but should be kept on dry straw litter. themselves, consequently each man has to amined one by one, and the remedy again apcarry a pack. Our provisions are also much plied, as long as is necessary. If this is strictly reduced, therefore, a reduction of numbers is adhered to, in the course of a month the flock hold about 1,700 bushols—requiring to burn not much to be regretted. It may require will be entirely sound again; the appetite would be still better, if painted to prevent it off, only about 17 cords of wood and 3 tons four weeks longer to reach Mackinaw, we will return, and the animal in a short time be rusting.—Exchange.

Culture of the Lima Bean.

Select a good loamy soil. Being rank feeders they must have plenty of manure. Give your ground at least four plowings and harrowings, reducing it to a fine pulverized state. Open furrows five feet apart with the plow. Get your stakes seven feet long. place three of them thirty inches apart, two in the furrow and one thirty inches from the centre of these two-(triangular thus, **,)-tying them together at the top. The object of this is to strengthen them in their places. If the poles are seven inches in the ground, being thus tied, no wind will blow them down. They also bear much better, as they fruit from bottom to top. From last stake in furrow, put another one four feet from it-the other two thirty inches from it-they will then stand four feet from hill to hill, and five feet in the rows. In the next row they should be placed contra, so that they all then look as follows:

* * * * * * *

You can run the cultivator through them each way. I sow from the 10th to the 20th of May, putting four beans to each pole. If all come up I take out one, leaving three to each. When they reach to the top of the poles I cut them off. Never allow them to turn over the top. By this means you throw the growth to the bottom of your plant, producing fruiting wood; whereas if they are allowed to run they make more wood than are then done thinning. It must be borne in fruit. This must be continued all the season, as mind that weeds and carrots are very bad they grow from the top-also cut off the long friends, and for that reason the horse hoes side laterals. A long knife will more easily do this, by merely knocking them off, or a leaves nearly meet in the rows. They will large pair of shears. They then at a l times took neat, and are an ornament to the garden, instead of the usual way of long poles, which look in a garden like a burnt down wood of limbless trees. When kept neat by the three poles, they look like a green hedge-

In harvesting, cut the strings at the top; pull up your stakes, and draw them through the vine, cutting them also at the bottom of the stakes. This prevents any earth from getting with them-haul to the barn and thresh them lightly, so that you do not break the bean. The shell is so crisp that it will easily open by running them twice through a good fanning mill, and turning fast. -GERALD HOWATT, in Country Gentleman.

Hay Caps.

Hear what a writer in the Country Gentlenan says of hay caps:

"I must adhere to my hay caps, and advise thers to use them. Mr. Halsey says he never expects to save hay uninjured through a two days' rain. I have done it, and hope, not to have it rain, but to do it again if it unfortunately comes. In July, 1855, I had ten tons of hay cut on four acres, by mowing machines. It was put up, and the second day covered with 200 covers. I weighed several of the cocks and they averaged 100 pounds. It rained nearly two days, and the quantity of water was two inches and four-tenths. On the third pay, at 10 o'clock, I began to draw it in, only the bottom being a little wet. This saved me one day opening and spreading, and in my opinion saved one-third of the value of and deeper into the flesh, and affects more and the hay sold for \$12 a ton, and this savthe hay. My caps to cover a ton, cost \$6, ing was from three days' use of the hay caps. sides. The cleft becomes gradually deeper by I have heard them so frequently commended, injured by being wet is a matter we cannot speak of with entire certainty, but I had rather keep even the dew off of mine.

WM. H. DENNING." The manner of making hay caps is as follows; Purchase a piece of brown cotton, a yard and a quarter or half wide, stretch it in pleasent weather along a board fence, and antimony (Butyrum Antimonii, or chloride of apply a coat of linseced oil, with a paint brush, mixed with about one-quarter its bulk of spirits of turpentine, well stirred in while both are warm. Let the cloth hang till dry, and it will be ready for use.

Another, and perhaps a better way, is to the dead parts cut away with a sharp knife mix two pounds of beeswax, a quart of Jadown to the living part; if it bleeds a little pan varnish, and a gallon of linseed oil together. Then apply with a brush while moderately warm.

When the cloth is dry cut it into squares, blue vitriol. It is sometimes well to bind up then have an eyelet hole worked in each corthe foot in a linen bandage. The animal ner, to admit small wooden pins, which are to be used to fasten the caps to the hay.to be used to fasten the caps of the sage, and Some people sew up small stones in bags, and attach them to the corners of the caps, which attach them to the corners of the caps. These to strong wire hooks, and kept separate from the caps, and hung on as the caps are used.— But cast-iron weights, with hooks attached,

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The Garden & Orchard.

Transactions of the American Pomological Society.

MICHIGAN.

NUMBER PIVE.

In the last number the list of varieties for a market orchard was examined, as to its adaptation to locations near a convenient market. But inasmuch as the cities that furnish our chief markets are situated, generally, upon navigable waters, and, therefore, usually, in regions illy adapted to fruit-growing, they are largely, if not mainly, supplied from comparatively remote points; where the character of the country is such as to promise immunity from some of the casualties to which the crops the others another summer to do. The last would otherwise be subject.

To persons thus located, the perishable nature of the early fruits, and the disproportion- assign but three conditions which could have ate expense of marketing them ir small lots, contributed to bring the one parcel so much operate as a check upon the planting of such; in advance of the other as to growth and proand in favor of a more extensive planting of ductiveness: 1st, the setting out in the one later varieties. Most orchardists, also, find it case as soon as the vines were taken from desirable, and, in tact, necessary to unite fruit growing with farming; by which means they find themselves fully employed during the season of marketing summer and autumn fruits, than the first. The quantity of fruit obtainand are therefore, induced to plant exclusively winter varieties.

The choice of varieties for orchards, under the producer can transport and market a whenever their presence became manifest. whole crop at once, will operate as an inducement to plant very few varieties; perhaps but any fruit the last season. This was also the

In case a succession of winter varieties is desired, it will be found advantageous to plant sparingly of the early winter sorts, increasing the number as the varieties increase in durability; which will enable the grower to I have never seen more than three on a stem keep back large quantities, should the state of his business, or of the market, render such a produced thus far is small, and of little conse proceeding desirable. In all cases, where fruits are to be marketed in large quantities, reasonably expected when the vines become it is well to remember that the fewer varieties the better.

list will prove desirable:

Where the grower has access to a railroad, or navigable water, the following varieties will be found most profitable, and, where they are all successful, should be chosen in the order here named:

1st, Red Canada; 2d, Rhode Island Greenniary results may doubtless be expected, un-

It is well here to remark, that Red Canada is a very slender grower, and should, therefore, be grafted on strong stocks, at standard height. Roxbury Russet, also, is an irregular, spreading variety, and somewhat tender if worked low, for which reasons it should be grown in a similar manner.

Plymouth, May 21st, 1859.

Cultivation of the Cranberry.

planting the cranberry vine, I wish to say a the cultivation of this fruit, particularly as to the practicability of producing it in the garden. I have lived more than fifty years within one hundred rods of a cranberry marsh, which produces spontaneously at least half a dozen varieties of the cranberry, and, till within a few years, have supposed its cultivation on dry land impracticable. It is now some six years since I first observed the cranberry vine working its way into brake and groundsurrounding the marsh, and in the autumn of from vines thus situated. These vines doubtpable of propagating itself, extending, and producing its fruit on a brake knoll, high and in the pasture, needs no extraordinary devel opment of the organ of marvelousness.

About the same time (say in 1852) it came to my knowledge that Mr. Nelson Wood- ling with the rest. This is the only time I will show us that the landscape will, like eveworth, of Schroon River, Essex county, N. Y., have applied any water to them. I have no rything else, derive beauty from its limitahad transplanted some cranberry vines from doubt water would be good for them at any tions. Looking at the unobstructed view, we a marsh to his garden. I do not know a drier time when grass lands are in want of rain. see at once that some portions of it are much

vines were flourishing and productive, I com- where, after the vines become established, the plantations must conceal; and we shall find the walls; they bore fruit freely on the secmenced a similar experiment in the spring of menced a similar experiment in the spring of menced. In the composition of plantations, though it is clear that fruit bud, (unless root pruning had been resorted to,) while now I have plenty of growth that the nervous attemps to avoid monotony that the nervous attemps to avoid monotony and fourish without any water, except sition of plantations, though it is clear that fruit bud, (unless root pruning had been resorted to,) while now I have plenty of growth that the nervous attemps to avoid monotony and abundance of fruit. I think grafted menced a similar experiment in the spring of 1857. As the spring was cold, and very wet, use. Still, I am satisfied the cranberry will remainder will be enhanced. In the component of the prospect is shut out, the duce became greater. I allude to this remainder will be enhanced. In the component is that, as part of the prospect is shut out, the duce became greater. I allude to this first that, as part of the prospect is shut out, the duce became greater. I allude to this first that, as part of the prospect is shut out, the duce became greater. I allude to this first that, as part of the prospect is shut out, the duce became greater. I allude to this first that, as part of the prospect is shut out, the duce became greater. I allude to this first that, as part of the prospect is shut out, the duce became greater. I allude to this first that, as part of the prospect is shut out, the duce became greater. I allude to this first that the prospect is shut out, the duce became greater. I allude to this first that the prospect is shut out, the duce became greater. I allude to this first that the prospect is shut out, the duce became greater. cellar before they were set in drills, some twenty-two inches apart, a tuft of vines being placed at intervals of one foot in the drill. This parcel was sufficient in quantity to set four rows twenty-six feet long. A like number of rows were afterwards set with vines fresh from the marsh, and in the latter case the tuft of vines used as before, was somewhat larger, say enough to allow an inch ring to surround the tuft without drawing the vines very closely together. These last have come forward faster than the first parcel, covering nearly the whole ground at the end of the last season's growth, which I expect it will take parcel have likewise borne about seven-eighths of the fruit obtained from the whole. I can ed the first year was three pints; the second year one peck. The quantity was somewhat diminished the last season by the cranberry these circumstances, is, frequently, still far- worm, which attacks the fruit. The same ther influenced by the facilities for transport- worm, so far as I can judge, has destroyed ation to market A person who is obliged to most of the gooseberries in our gardens for rely upon private conveyance, will find it de- several years past. It is of a green color, sirable to plant a succession of varieties, which and about half an inch in length. Its deprecan be disposed of, at his convenience, during dations are made apparent by the premature the winter and spring; while a location along ripening of the fruit. To pr vent their mulour railroads or navigable waters, whereby tiplication, I gathered and destroyed them

The vines on our marsh produced scarcely case with those growing spontaneously on the upland. The berries growing in the garden were larger than any I have seen growing wild, some of them being more than three quarters of an inch in diameter. I gathered several stems having five large berries each; in a wild state. True, the quantity of fruit quence, except as an earnest of what may be established so as to cover the whole ground, which they must soon do if they continue to · Under such circumstances, the following flourish. On the whole, I consider my experiment thus far a decided success. The vines have a beautiful healthy appearance.

Mr. Wadsworth informed me last fall that he had determined to set a new plat of considerable extent this spring. His first bed continues productive, and shows no sign of de-

As to treatment after planting, the most that is necessary is to keep the ground clear he builds his house or arranges his grounds, of grass and weeds. Unless this is done ing; 3d, Roxbury Russet; and the best pecu- nothing but failure is to be expected. This is to himself, he might avoid that fruitful necessity prevents (in a measure) the vines entire thousand trees of a single variety, provided that variety is adapted to the soil in which it is planted.

It is wall here to remark that Red Canada in the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of the first year, under the impact of the sutumn of th der these circumstances, from planting the from taking root as they extend in longth, as in the autumn of the first year, under the im- the shrubbery, he says of the effects most depression that it was too late for weeds and sirable to be produced,grass to make any considerable growth. But in the spring I found the ground nearly turf- mind are simplicity and concentration. This ed over between the rows, and it was a seri- need not interfere with that intricacy so effecous job to clean them out. The process of tive in large and highly finished grounds; but cleaning left a depression between the rows, and as dry weather came on, the ground became a little too hard to admit of pulling the weeds easily. To remedy this inconvenience I put fine muck between the rows, and dug it into the soil with a transplanting trowel. This filled up the depressions, and made the cleaning left a depression between the rows, the refinements must come gradually,—the As the proper season has arrived for trans- This filled up the depressions, and made the we get our most desirable view. If an ornaground very light and easy to work. I be- mental terrace here connects us with our few words to the readers of the Homestead on lieve sawdust or sand would do very well as a grounds, so much the better; but we need substitute for the muck; I found it best to not be dependent on the existence of this feapull the weeds at least as often as once a week, ture. Better have no vestige of it than the and this spring the bed is as clean as could be desired. I expect after this year, there will to take its place. We may consider the view be but little if any trouble with weeds. Mr. Wadsworth informs me that no weeds could grow in his vines since they became matted. This may be expected usually to take three or the second. The foreground must be our

four years from the first start. Last year we had twenty-nine days, commenpine knolls, high on the hills in the pastures cing I think about the 12th of June, with no rain to speak of, except a slight shower-1852 I gathered several quarts of the fruit which did not wet down more than half an important to keep this distinctly in mind. The inch in the garden-on the 3d of July. This less sprung from seeds dropped by birds. It included the hottest term of the season, and I appears to me that the belief that a plant ca- found it necessary to resort to the wateringpot to save our garden vegetables, for the last ten or twelve days of this season of drought. toms of withering, as it was their time of blos-

Other things being equal, I should prefer a are a common cause of failure. On the othsoil as moist as will coveniently admit of til- er hand, few effects are more satisfactory,

abundance, single stems bent in the form of lawn, and forming a background for fine specian ox-bow, the middle being set a few inches mens of ook, maple, and tulip trees, dressed in the ground, would doubtless answer; but a in their autumnal hues. Yet how few ele longer time would be required to get the ments are needed to produce this magnificent ground covered with vines, than by planting chord of color! For most cases, the safe and a tuft with their roots.

have been propagated in poor, swampy land shrubs." by sod planting; but they have never borne much fruit. I might also add, that in a lumber path across a marsh where cranberry vines grew, the vines manured by the teams during the winter, were productive, while on the remainder of the marsh they were barren. -The Homestead.

Landscape Gardening.

We have received a small pamphlet on through the season. landscape gardening and thorough draining. by Charles Follen and H. J. Shedd, from which we quote the following remarks in relation to selecting a site for a house. The road-governing principle prevails to an almost unlimited extent here at the West. Scarcely a home is built without reference to how it will look from the road; and what people will think of it is of more consequence to the architect than how it will, by position and surroundings, enhance the com-

ever, he goes so far right as to fix upon a the whole place is made not to be looked from, but to be looked at. It is astonishing what inconveniences men, not otherwise rein order to present what they consider a good appearance from the street. Often the best aspect is occupied by the kitchen-yard, the stable and out-houses, while the family, from a forlorn, sunless drawing-room perched in the air, in order that the house may look imposing to passers by, peer through their scattered trees over the dusty road at their neighbors' houses built like their own, in strict oband, on the other hand, how all important it source of irretrievable mischief-the false

odious expanse of road which is often made from our principal window as divided into foreground and background, of which we can control the first, and, by means of it, modify lawn. Now, just as a sheet of water depends for beauty on the broken and varied lines of its shore, so does the lawn depend on the outline of its enclosing plantations. It is most consequence of neglecting it is that common spotty effect where lawn and plantation get thoroughly mixed together, to the total sacrifice of the lancscape. To make this outline picturesque and beautiful our materials are Though the cranberry vines showed no symp- the various forms and colors of our trees.

more unwearying than a continuous mass of Where vines cannot be cheaply obtained in overgreen deeply indented by bright green general rule is to avoid too many kinds of My opinion is that the soil should be at large trees, to keep similar foliage together least moderately rich. My reason for this be- in grand, qu'et masses, to reserve strong oflief is, that I have seen vines that came in fects of contrast for the outskirts of plantaspontaneously on wet upland, that was too tions, and to admit more and more variety and poor to bear grass, and likewise vines that mixture of species as we use smaller trees and

HORTICULTURAL NOTES.

Pie Plant.

If you wish your pie plant to send up good, thrifty, tender leaf-stems, cut off the flower stalks as soon as they appear. If left to grow, the strength of the plant all runs into them to develop the blossoms and mature the seed, whereas, if kept down, young and tender leaf-stalks will be springing up all

Dicentra vs. Dielytra.

Florists and botanists have been having some discussion about the proper name for the Chinese plant known as the Dielytra Spectabilis, and have finally decided that the true name is Dicentra It is one of the most beautiful early spring flowering plants we have, has proved itself perfectly hardy in our western climate, and is easily propagated by layers or cuttings or divisions of the root.

Watering Dahlias.

fort and happiness of those within it.

Mr. Follen says: "Sometimes a man lays dahlias," The watering should be effectual, out his grounds without thinking at all of where he shall put his house. Usually, howard has considered the sun is down, and all over the foliage as well are all over the foliage as well as all over the foliage as all over the foliage as well as all over the foliage as all over the f all over the foliage, as well as all over the ever, he goes so far right as to fix upon a building place. Now this place he selects mainly with reference to the public road; and he then proceeds to lay out his grounds also with reference to the said road. In short, the plant and no where elso, is altogether bad; it leads to sudden alternations of the plant and no where elso, is altogether bad; it leads to sudden alternations of the plant and no where elso, is altogether bad; it leads to sudden alternations of the plant and no where elso, is altogether bad; it leads to sudden alternations of the plant and place the plant and no where elso, is altogether bad; it leads to sudden alternations of the plant and place the plant and place of ground they occupy, soaking it as completely as if it were a heavy rain, and not repeating it afterwards for days. den alternations of wet and dry, causes insects to be more abundant, and in a very dry season gives a check which the plant feels the whole season, or at least till the longer markable for their self-denial, will submit to, and more dewy nights of autumn come to their aid.

Fuschias. One of the most important considerations,

and which must receive particular attention, is the proper preparation of the compost in which to grow the plants; for if the radical condition of a plant be at fault, no future treatment, however consistent, will produce the desired result. Soil that has been at least servance of this hideous architectural eti-quette. Now if such a man would only stop and think of how very, very little importance twelve months in the compost ground, fre-quently turned over during frost, and, if turfy, broken into lumps as small as alnuts, is the material best suited for all plants. To have it is to the rest of the world where or how the finest specimens in flower in May, cuttings are taken at the end of July or beginning of August, from growing shoots, which have no flowers or flower buds on them: the points are best. These are inserted in rather light sandy material, in thumb-pots, clean and well but are kept growing, and repotted as they "The two most important ideas to keep in mind are simplicity and concentration. This equal parts of rough loam, peat, well decomposed leaf mould, and about one-sixth silver seventy degrees by day, and fifty by night, with shade in clear weather. They are freadmire, and there is a small red, said to exceed quently syringed with soft water, and after the plants have begun to grow rapidly, manure water is applied twice a week. Stopweek in March. The pots are plunged in tan, with a gentle bottom heat. One central support is all that is needed. Greenfly is kept down by fumigation. The plants are removed into a cold house as they are coming into bloom. Fuschias should never be drawn by heat; they then grow too long jointed .- Horticulturist.

Rendering Barren Fruit Trees Fertile. It fell to my lot some ten years ago to take charge of some barren old pear-trees, with long spurs full of cankers. Although I took a different course from the one you have lately been advocating to render them fertile, I have the satisfaction of observing that all the old atocks are well filled with bearing wood. The horizontal branches were all cut off, and a graft or two put in the stumps or short arms, toms of withering, as it was their time of blossoming and setting fruit, I gave them a sprink our unlimited fancy. A moment's thought ed and allowed to replace the branch; those put on in the shape of buds made less wood than the others, but are very productive .-The trees first grafted have nearly covered show that it would have been a mistake, where there is a great consumption of winter fruit. several opportunities of observing that these ning water might do well to select a location, some are highly objectionable. These our young ones. In the latter case I should have dry weather will do the work."

trees will continue longer in bearing than if buds had been inserted in branches. I may mention another fact not a little interesting. Last spring a Barbarossa vine produced bunches somewhat irregular, leaving more space without fruit than I liked to see. I took a shoot from its neighbor, a Hamburgh, with a bunch just coming into flower, inarched it, and put a small bottle of water to the end of it. This was done merely as an experiment, but to my astonishment every flower became a berry. The bunch progressed, and was to every one here a curiosity; it colored well, and became a compact little bunch in September.—THORP PERROW, in Gardeners Chronicle.

Vermin in Gardens.

Do not kill or drive away the frogo or toads that may be found in your gardens, unless you desire to encourage caterpillars, snails, slugs and a variety of other troublesome and destructive insects. Some gardeners take pains to place bricks or stones in such a way that they will form a refuge for toads in parts of the ground most infested by vermin. They do the work quite as well as chickens, and with no danger of damage to plants and vegetables.

Culture of the Tomato.

A writer in the Cottage Gardener gives the following timely hints with regard to cultivating the tomato so as to produce the most perfect fruit. The usual custom is, to let the vines grow sprawling over the ground, multiply. ing upon each other, and gathering dampness and mildew upon the fruit, by which much is entirely lost, and the remainder grown so imperfect, crooked, and full of seams as to give great trouble to the cook in preparing it for the table.

"The situation proper for the Tomato has, perhaps, more to do with its success than the soil. Against a well facing the south, is, undoubtedly, the best one for it; and it is commonly planted against any vacant space amongst the fruit trees, and sometimes, to the detriment of the latter. This should not be, especially as the Tomato will grow where trees of any size will not. Against a low wall, or wooden paling, they often do very well; and, in fine seasons, they ripen very well in the open border, tied up something like the Dahlia. That they are not so early this way, as against a wall, may reasonably be expected; but fine, well-ripened fruit, are often produced before frost sets in. Where great quantities are wanted, and wall-spaces scarce and otherwise employed, plant a few plants on a south border; and if the season, more especially the autumn, be a fine, dry one, it is likely the produce may be very satisfactory

During the period of its growth, stopping rampant shoots will encourage the floweringbuds and promote its fruitfulness; but the plant must be allowed a little time to exhaust its superabundant vigor before it is too closely snubbed in; and after that, stop as often as you like. Generally three or four main stems may be trained up,-say a yard high, or so, and the laterals from them produce the fruit-other considerations being favorable. The soil most suitable for the Tomato capnot well be too dry; and, I believe, if it never rained during the whole summer, they would not take any harm. In fact, it is the superabundance of moisture that is so fatal to their fruitfulness. Stiff, retentive sand. A moderate supply of water, during the dull months, and the usual temperature the proper time; while a shallow soil, that

the large one in flavor, or some other quality; but the first-named is the more useful. It is ping is not practised later than the second proper here to observe, that seeds of this ought to be saved only from the largest fruit; and if they are not to send to any distance, and only for home use, they keep well in dry sand, the pulp decaying during the winter .-Damaged fruit (if large) will do as well as any; and a small flower-pot will contain seeds sufficient for most ordinary growers, no washing or dressing being required. I know from experience the seeds grow better; but they are much hardier than they are generally supposed to be; for I have known decayed fruit, rotted on the ground, send up quantities of plants the ensuing season. I have known these self-sown plants ripen fruit, too, the same year; but the quantity, of course, was not so great as those forwarded by artificial means. I mention it here to prove that, after all, the ripening of the Tomato, in favourable seasons. is not a difficult affair. In adverse seasons, with a cold, stiff soil, and moist or late situation, some of the plans mentioned above must be put in requisition; but even then the result will not be so favorable as when sun and

FOREIGN AGRICULTURE.

Straw and Its Waste-Its Worth per Acre.

BY J. J. MECHI, OF TIPTREE HALL, ENGLAND.

SIR-This is a vital question for agriculture. For many years I have been gradually more and more convinced that straw has a considerable value for feeding purposes, for which alone it should be used, in order to extract from it the largest profit.

It is true that, when I have propounded this notion in the presence of practical farmtheir disbelief; and I have smiled at their passes into the atmosphere. prejudice and miscalculation, in conscious conviction that they would gradually have to surrender at discretion.

The quantity of wheat straw removed from an acre of well-farmed clay, where the average is 40 bushels per acre, would be 2 tons in and considered as manure, its worth is but \$2.24 per ton; while, used as food, it will, if properly prepared, realize a value of \$10 00 per ton. Now what farmer would knowingly throw away \$10 to \$15 per acre, in so economic a business as farming? and yet, this is literally being done over millions of acres.

It is denied that straw has a greater value as food than as manure, it would, by parity of reasoning, be desirable to compare the manurial and feeding values of oilcake, barley, beans, peas, hay, and roots.

Whilst my farming friends ridicule my dislike to plowing in straw, they would stand aghast at my proposing to them to plow in their barley-meal, linseed-cake, or other feeding material. But I can see no difference: the folly or error is in each case equal, and the loss comparatively as great.

Whence does this singular disbelief arise? Simply because the straw, in an unprepared condition, is not in an available condition as

I purpose to give a practical illustration of this question, by a statement of my own proceedings; but every one who would understand the question in its most comprehensive view, should study Mr. Horsfall's admirable papers on dairy management, in the Society's Journal. The whole feeding question may be considered as greatly developed by those pa-

The question of converting both our straw and our roots more advantageously than we now do, is a true breeches-pocket question for the British farmer; nor are the public less interested in the more abundant supply of meat, which would naturally follow the more economic use of our straw and roots.

The general appearance of thriving animals is unmistakable. If, after feeding, they lie down contentedly, free from restlessness all goes on well. Such is the case with my 10 young shorthorn bullocks, of Irish breed, about 30 months old, which were bought in at \$45 each, in 1858.

They consume daily--

300 lbs. of mangel-wurzel---- 0 64 per ton, it would add \$0 60 to their weekly cost. The roots I value at \$2 50 per ton .-The animals are in a fattening and growing condition, and evidently are advancing remuneratively. This we can judge of by their mals on sparred floors, or on burned clay, and appearance, as I have not, like Mr. Horsfall, we must invest more capital in animals, and a weighing-machine for cattle. Nothing tests the value or force of food so soon as milking cows. I strictly adhere to Mr. Horsfall's proportions of food for mine; and the result is an ample supply of milk, and an increase in condition.

The food for each cow is as follows, daily: 20 lbs. straw chaff; 8 lbs. of hay; 5 lbs. rapecake; 2 lbs. bean meal; 3 lbs bran; 3 lbs. malt-combs; 35 lbs. mangel or Swedes. Cost (without straw,) \$1.82 per week.

The whole question may be said to hinge upon the condition in which the food is administered. It must be moist and warm; and the animals must have proper warmth and shelter. As a general rule, this is not the case throughout the kingdom: hence much food is wasted or misapplied. Were I to give my bullocks the same quantity of cut straw in a dry state, they would not eat one-half of it; and, besides, they would be restless and dissatisfied. This I know from experi-

I will now describe my mode of preparation, and calculate the cost.

I no not use the ordinary close steaming

lons. These are set in brick-work, with a 4- to 181 lbs. of oil in each 100 lbs. of straw. inch space around them, each space connected with the adjoining one by a 6-inch earthen feeder of stock to study Mr. Horsfa l's papers

pers, circulates a portion of the waste steam | They will enlighten his mind, dispel his prefrom the engine, after having passed through judices, and increase his profit. the cylinder.

I should state that a close vessel of water, connected with the supply tank, is kept in a nearly boiling sta e by the waste steam before it passes around the coppers, and a vertical four-inch pipe takes away the steam after it has passed around the coppers, after heating the close vessel of water, and then

The coppers are all sunk into the earth, so as to stand level with the floor. By this means, when an extra supply of food is required, it may be piled up in a mound, and kept hot for two or three days.

The straw, cut fine and sifted, is thrown into the copper, twenty-seven gallons at a time, and rapecake strewed over it; then a pail of hot water (drawn from the hot water vessel close at hand) is thrown over it, and it is all incorporated by mixing with a steel fork, and well trodden down; then another twenty-seven gallons of chaff, with the other materials and hot water; another mixing and another treading down, until the copper is full and solid; and if extra quantities are required, it may be continued in the same way above and around the coppers, but it must be moist and solid (it too wet the animals will not eat it.) The larger the mass, the longer it remains

Practically, we can in winter manage if our engine only goes twice a week; but as a general rule we work it for grinding, irrigating, thrashing, &c., more often than that. The mass of subterranean brick-work absorbs the heat from the waste steam, and holds it for several days.

The heat so obtained costs you nothing, for it would be wasted in the atmosphere. I think the time will come when fermers

will turn it to several useful purposes. Animals will eat rapecake abundantly when so mixed and dissolved, but not when dry.

This is an admirable food for all sorts of farm animals, and it should be administered, more or less, through the whole year.

I should say that our roots are cut either by a Gardner or Bentall, and mixed in the manger with the warm steamed chaff. There will be no blowing, griping, or scouring with food so prepared, and the animals eat it as ported at some length thereon. It is interhot as they can bear it,

In my earlier career, I reared first forty and then fifty calves, and sold them as fat bullocks, so treated, never having been off the boarded floors for two and a half years, and same. never having had straw under them.

The ten bullocks I am now feeding are on sparred floors.

The cost of cutting a ton of straw into chaff, one-fourth of an inch long, may be taken at 72 to 96 cents. The trials of chaffcutters, as reported by the judges in the Royal Agricultural Society's Journal, show that 112 lbs. or more of hay could be cut in three minutes by steam power. It would be well, however, to double that time or cost, because we know on such occasions that everything is In round numbers, they cost at the rate of in "competing order," which could not be \$0.84 per week, independent of the wheat. expected on a farm. Therefore, 48 cents a straw. If I value the wheat straw at \$10.00 ton for hay, or 96 cents per ton for straw, would be a liberal cutting-up, allowance by

> If we are to consume all our bean, barley, wheat, and oat straw, we must keep our anishall make much more meat per acre. If a ton of straw will make 30 lbs. of meat, and if forded a valuable and much needed amendtwo tons of straw are grown per acre on our cereal and pulse crops, it would be four score of meat per acre over the whole of the cere-

als and pulse.
Oh! but where is your manure to come from, if you eat your straw?

Why your animal, by this mode of feeding, consumes 560 lbs. of rapecake with every ton of straw. This is better than littering the yards by cart loads in wet weather, to sop up the water, and save some of the liquid manure which would otherwise be washed away by

rain from untroughed roofs. But what feeding property is their straw? A good deal of hilarity was excited at our London Farmers' Club the other day, by my stating that every 100 lbs. of wheat straw, contained the equivalent of 15 lbs. of oil.-Since then, I find I have understated the case. and that really each 100 lbs. of straw contains -see Morton's admirable Cyclopedia, vol. ii,. page 1153 (Voelcker's analysis)—seventy-two per cent.! of muscle fat and heat-producing substances, of which twenty-seven per cent. are soluble in potash, and thirty-five per cent.

In conclusion, I would recommend every in vol. xvii., page 260, and vol. xviii., page 150 Into these spaces, and around these cop- of the Royal Agricultural Society's Journal.

By Mr. Horsfall's mode of feeding you may get the manure without cost, and a handsome price for your straw and roots.

The following facts, deduced from Mr.

as manure, whilst

Here is an instructive and interesting comparison with a vengeance! A ton of Swedish turnips are worth, as manure, 96 cents per utes and 541 seconds—the shortest time on ton, or nearly half the manurial value of a record—and was "a dead heat." Ethan Alton of straw or locust beans.

Oilcake or rapecake are worth, as manure, \$15.12 per ton.

If by his system of feeding 14 lbs. per week of meat and 3 lbs of internal fat can be gained by each full-sized animal (and I am sure this can be done as an average,) I know of no equal it in economy.

The consumption of straw, in the way here suggested, would produce a very great inrease of meat, manure, and corn.

If supplies of this warm food were conveyed to sheep in our field in cold and miserable weather, many losses would be avoided, and our turnips would make more mutton.

In order to provoke a discussion and examination of this subject, I send this communication to several papers, and shall probably enlarge upon it in some future paper.

Clearing and Improving Marshes.

The subject of reclaiming swamps by surface and underdraining, has recently been alluded to in our columns, and we now propose to offer a few hints on the best method of clearing bogs and marshes, and of bringing the same into a permanently productive state. In most parts of the country such land is to be found in considerable quantities; hence we need no excuse for bringing the subject repeatedly before our readers.

Some few years since, an eastern Ag. Society offered several premiums, extending thro' a course of years, for experiments in clearing and improving marshes, and afterwards reesting as showing the cost of bringing boggy marshes into cultivation, and also as presenting the views of practical and well informed men on the best means of accomplishing the

As to clearing, after a careful examination for several successive seasons, of the half-score of entries of lands, the committee came to

1st. To thoroughly drain the land, as far as it could be done by frequent ditches; and 2d. To float or cut off the whole surface of the ground, and piling it in winrows, let it dry, and then burn the whole to ashes.

This method taking all things into account, they believed to be more economical than that generally practiced, of cutting off the ing on the contrary, the coarser materials of flower ment, in their abundant ashes. The surface, with slightly plowing or thoroughly harrowing, was much earlier prepared for a crop than by the other method, gaining one or two years out of three or four, in the use and production of the land, over that of subduing by the plow.

In a number of examples given, the cost of clearing and thoroughly subduing by this process was about \$20 per acre. The crops for three years paid all expenses and more, and the land would remain equally productive

for a long time, with proper treatment. If a marsh has much depth of muck and cannot be drained thoroughly, we find that after a few years it will settle down nearer the water line, and in the moister spots wild grasses will displace the cultivated ones. If an outlet can be had, the most efficient remedy will be to deepen the drains, plow up and reseed to grass, and if at the same time, a top dressing of sandy loam be applied, the results will be more satisfactory. The grass apparatus, but a number of cast iron pans, or insoluble.

coppers, each capable of containing 250 gal
The soluble fattening substances are equal out "by coarser herbage.—Country Gent.

FARM MISCELLANEA.

Lands taken under the Homstead Laws. Since the State Homestead Law went into operation, on the 14th instant, 2,000 acres have been taken up by actual settlers, in lots of forty acres each, and the prospect is, that this law will be the means of bringing a large body of unoccupied land under cultivation .-So far, the land is principally taken by adjoining owners, and the greater number of locations, so far, have been made in Gratiot Horsfall's paper, will show that 1,000 lbs. of and other northern counties. It is the intenswedish turnips, or 100 lbs. dry are worth, 431 tion of the State Land Department, to insist upon the most exact compliance with the requirements of the Homestead Law.

Sporting Item.

The great trotting match in double harness, for \$10,000, between Ethan Allen and Lantern, over the Union Course, L. I., took place Wednesday. The first heat was run in 2 minlen won the race. Lantern did not win a single heat; two were dead heats. An enormous crowd from New York and vicinity were present, and a great deal of money changed bands.

Culture of Corn.

There seems to be an opinion prevalent that the produce of mixed corn is apt to give a other system which will exceed it in result, or greater yield than what is obtained from seed which has been kept pure. The Country Gentleman relates that a Vermont farmer, planted the eight-rowed yellow, the eight rowed white and the Red Blaze side by side for one year, and the next year selected his seed from ears which were most evenly mixed, and followed the same process the third year; when he obtained at the rate of 114 bushels of shelled corn from an acre. The corn at this time yielded but few white kernels, but was blazed at the top, the ears very long and the cob very small.

> Culture of Rape in Canada. In the first place the land should be a rather damp deep soil rich in manure. The land is plowed in the fall very deep, and the manure is drawn on in winter. In the spring it is cross plowed and worked down to a fine

> tilth. About the first week in June our rape seed is sown. It is put in rows about two feet apart, the manure being put in the drills it is covered by splitting the rows. The roller is then passed over, and the seed is put in with the drill, and a pound is sown to the acre. The scarifier is passed through the rows as soon as the rough leaf appears. The more rape is worked among, the better it grows. When it is about one foot high we commence thinning out and giving to the two or three hours at a time, allowing them making mutton and growing wool .- Practical of C. W., in Country Gentleman.

Sale of Shorthorns.
At the sale of Shorthorns at Mr. Taber's place on the Hudson River near Albany, New York, ten bulls, mostly yearlings brought an average of \$120 each, but one among them, the conclusion that the most effectual and an old one sired by Duke of Gloster, brought thorough process on very wet soils, with a \$505, reducing the average of the remainder vegetation of small bushes and coarse grasses, to about \$80. Twenty-four heifers and cows brought mostly \$100 each, some however went off at \$150 and \$200, the highest priced was \$225. This sale was attended by Messrs. Thorne, Kelly, and other well known breed-

ers who made purchases. Cure for Scratches.

The other day we were at the barn of Mr. J. H. Caniff near Detroit, where we saw Cos- deeply into the soil. sack, a fine stallion of some notoriety. We asked Mr. Caniff if he had ever got cured of bogs and brush, and then subduing the coarse his diseased heels, and he told us he had vegetation by frequent plowings and harrow- cured them. When Cossack was brought to ers of sulphur as they would retain. the land were at once reduced by fire, and af- This was repeated several times until the feet got quite well. Since then this horse has not been troubled with sore heels, scratches or cracks. He looks now perfect and clean. Heating Value of Different Kinds of Wood.

eminent French chemist, the relative heating values of equal bulks or cords of several American woods, are expressed as follows:

"Shell-bark hickory being taken as the scrub-oak, 73; white hazel, 72; apple-tree, 70; red oak, 69; white beech, 65; black walnut, 65; black birch, 62; yellow oak, 60; hard maple, 59; white elm, 58; red cedar, 56; wild cherry, 55; yellow pine, 54; chesnut, 52; yellow poplar, 52; butternut, 51; white birch, 48; white pine, 42. Some woods are softer and lighter than others-the harder and heavier having their fibres more densely packed together. But the same species of wood may vary in density, according to the condition of its growth. Those woods which grow in forests, or in rich wet grounds, are ess consolidated than such as stand in open

in the second, from red hot coals. Soft woods are much more active in the first stage than hard, and hard woods more active in the second stage than soft. The soft woods burn with a voluminous flame, and leave but little coal; while the hard woods produce less flame and yield a larger mass of coal.

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New Barley Insect.

Hon. George Geddes sent us some pieces of barley straw, in which there were worms from which the new barley insect described in our Journal for April, is hatched. Mr. Geddes says, "about the time the barley shows the heads, and before they are filled, the straw begins to bend over, and the crop dwindles and grows smaller until harvest. When we thrash, small pieces of the straw pass through the fanning mill and appear in the half bushel with the grain. By opening one of the pieces you will find the worms."

This worm is destroying the barley crop, and unless its ravages soon become less, we must give up this grain. Many farmers have given it up. There is an opinion among a few of our farmers, that two bushels of salt to the acre, sown just before the heads appear, is beneficial. Can so small a quantity of salt do any good?

We have sent the specimen received to Dr. Fitch. They are the same as those received from Mr. Lincklaen, and every effort will be made to endeavor to find some means of arresting the ravages of this insect. If farmers in other parts of the State have discovered the same difficulty in their barley, we should be pleased to be advised of it .- Journal of the New York State Agricultural Society.

Scare Crows. This is the time of year for our corn-fields to exhibit all sorts of artistic ingenuity, in the shape of old clothes statuary, and a very odd and expressive tableaux, as well as a great extent of never-ending twine-glittering pieces of tin hun; on poles, by ever twisting and twisting strings-old coffee pots, and dilapidated hats; all to intimidate that very sable, but sagacious bird, the crow. Mr. Crow generally laughs in his sleeve at all this expenditure of cast off toggery, and takes what corn he wants before the farmer is up, or in the house at his meals, or gone to meeting, or absent from the premises from any other cause. The best mode that we ever adopted, to keep this inveterate old poacher from pulling up our corn, was to surround him with assailants of his own kind. Make bird fight bird. We once set up a couple of martin young cattle and pigs. About the first of boxes on poles in our corn field. These were August, the young lambs are put on it for occupied by famtlies of martins; and woe fell upon every crow's poor devoted head that plenty of salt. This crop is excellent for dared to show itself anyw ere near the premises. They were out as early as Mr. Crow himself, and ready to give him battle all summer, or, until their young had flown, and they got ready to migrate south. There was many a battle fought over the field, but no corn was pulled up that year .- Maine Farmer.

> Fall Plowing for Roots. John Howatt, of Kentucky, says that in Great Britain, the plowing of land in the fall, that it may thus be exposed to the action of the frosts and of the atmosphere, is considered as good as seven tons of additional manure in the growth of turnip and carrot crops. If that be so in the old country, it must be much more so here, where the winter is longer and the frosts are more severe and penetrate more

Land in the Northwest.

A correspondent of the Grand Rapids ings. It was found exceedingly difficult to him, he was badly diseased. Mr. Caniff first Eagle thus describes the country in the reclaim the soil from its original products by washed his feet and legs perfectly clean, and Northwestern part of the State, in the counthe latter process. By paring and burning, then plastered on the diseased parts as much ties bordering on the Manistee river, and south of Grand

> "The land between the south branch of the Manistee and the main river is the richest we have seen since we left home. Some of the way the land is knobby and very rolling, but it affords a very fair location for a good road, with but a little variation from a straight line. According to the careful experiments of an inner the careful exper some of them of less distance around the side than over the top. The soil is very rich, proofs of which we find in the thrifty maples and a luxuriant growth of leeks and wild highest standard, 100; pig-nut hickory, 95; flowers. Here, on this river are the largest white oak, 84; white ash, 77; dog-wood, 75; cedar trees that I ever saw; but where the cedar grows the ground is soft and mucky, and not good for a road. The cedar trees are good for crossways, however-so Nature has made provisions equal to the demand in that

There is a singular difference between the bottom lands in this State and those in Ohio, where I formerly lived. In Ohio, the river bottoms were generally level and smooth to the river bank, giving beautiful land for cul-tivation, and the richest in the State; but here in Michigan our river bottoms are mostly very rough, and covered with swamp-wood timber, and quite difficult to reduce to a good state of cultivation-though, there is one good feature about them : they invariably abound

THE ANNUAL FAIR STATE AGRICULTURAL SOCIETY For 1859, Will be Held at Detroit, on Tuesday, Wednesday, Thursday, and

Friday, October 4th, 5th, 6th and 7th. R. F. JOHNSTONE, Secretary.

STATE FAIRS FOR 1859.

Illinois, Freeport, Sept. 5-9. Vermont, Burlington, Sept. 13-16. Kentucky, Lexington, Sept. 18-17. Ohio, Zanesville, Sept. 20-23. Indiana, New Albany, Sept. 26-30. Canada West, Kingston, Sept. 27-30. Michigan, Detroit, Oct. 4-7. New York, Albany, Oct. 4-7.

COUNTY FAIRS FOR 1859.

Macomb, Utica, Oct. 19-21, John Wright, Sec'y. Lenawee, Adrian, Oct. 5, 6, A. Howell, Sec'y. Northern Lenawee, Tecumseh, Sept. 21, 22. Oakland, Pontiac, Oct. 12, 13, M. W. Kelsey, See'y. St. Joseph, Centreville, Sept. 28-30, D. Oakes, See'y. St. Joseph, Centreville, Sept. 28-30, D. Oakes, Se. Genesee, Flint, Sept. 28, 29, T. H. Rankin, Sec'y.

MICHIGAN FARMER.

R. F. JOHNSTONE, EDITOR.

SATURDAY, MAY 28, 1859.

The Premium List for 1859.

In this paper will be found the first installment of the premium list for 1859. The portion which we publish to day includes all the divisions which have reference to live stock. It will be seen that the whole has undergone a thorough revision, and has been rendered as perfect and complete as possible. The executive committee, though somewhat pressed for time at their meeting, gave that department of the business a full attention, and have endeavored to make the premiums offered worthy of the State, whilst they also the Society. The premiums are thrown open to all the world, for this year, and we hope by this means to induce the breeders of other states to come in here with their stock and afford us an opportunity of comparing our advances with what is going on in other states. At first it was demeed advisable to cut off all third premiums, but on a reconsideration of this matter it was decided to restore them in part, and it will be seen that rendered unnecessary any class for foreign stock of any kind.

Another point worthy of note is the fact that no animal is shut out this year from coming into competition, on account of having he may not remain in this State another seadrawn a first premium at any previous fair, son: All now may come forward on their own merits, and first prize animals are at liberty, and in fact are invited to come forward and compete with each other, and with the rest of cattledom

To the horse men of the State, the list of will be seen that two new classes have been city.

"From the accounts we have received of "From the accounts we have received of the counts we have received the counts we have received the counts we have received the counts where the counts we have received the counts we have received the counts where the counts where the counts we have received the counts where the counts w premiums presents peculiar attractions. It advocates of the Black Hawk and Morgan him, and from what we know of his pedigree families a fair field to compete with each other, and to exhibit that class of roadsters in all their perfection. Much has been said about our opposition to the Morgan family, yet this class was made by the committee principally by our suggestion, and because whilst we were desirous of recognizing the true position and merits of this very favorite family, we deemed that it frequently either had injustice done it, or it was the cause of interfering with due justice being done to other stock.

horses of the State, have made a class, in and more fashionable horse there is not in all which these half and three-quarter bred our land-if, indeed, there be in any other .of stock that the most valuable and highest priced carriage horses are raised. The importance and wisdom of encouraging this system of breeding, and placing it also on its run for the Derby at Epsom, in 1853, and in tem of breeding, and placing it also on its own merits, will be recognized.

The remainder of the premium list will appear in the FARMER till completed, and it will be issued in pamphlet form as soon as the printers can get it ready.

We were in hopes to have it issued somewhat earlier, but the pressure of duties upon us has been so unexpected, that it was impossible to give it earlier attention, whilst the dearth of means, and the same financial stringency that has been felt by every farmer in this State, has forced us to abjure all help and to practice the utmost self denial, in regard to hiring assistance.

For California.-A company of afteen gentlemen from Corunna, Shiawassee county Muligan, are now encamped in the north part of this city. They design encamped in the north part of this city. They design leaving for California in a few days. Dr. Meon is at their head.—Omaha Nebraskian.

The Crops.

Up to the present moment, the wheat fields of Michigan present a most splendid and promising appearance. In northern Michigan especially, all that we have seen have been alike in luxuriance. It now generally stands about thirty inches high and is beginning to head out. After that it will push forward with rapidity to its flowering state, when we may then watch with intense anxiety for the ravages of the fly, from which we cannot reasonably expect to escape scot free.

The oat crop is generally looking well .most of the oat fields are green with the young grain, which has a fine appearance.

The corn crop in many places is not only up but has undergone its first hoeing. On the Agricultural College farm, the first planted was noticed to be coming up vigorously in the rows on Sunday last, the 22d. The color and appearance of the young stranger was fine, and gave indications of a lusty strength, when a little more age had enabled him to show what he could be made to do, as soon as old time decked him with a tasselled

weeks earlier than they were last year.

Stone Plover and His Colts.

We have heard of quite a number of colts eing foaled this season, sired by the celebrated Stone Plover; and Mr. Williams, his owner, writes to us that he wishes us to re- How we Sowed Carrot Seed for the Crop mind their owners of his liberal offer of premium made last year; which was that he would give fifty dollars for the best colt sired by Stone Plover foaled during the season of 1859. The exhibition of colts to be made during the State Fair of this year, and the award to be made by a committee to be apkept in view the finances, and the position of pointed by the Secretary of the State Soci-

In our stock Register, we published with his pedigree the bill of sale of this horse, so ers of horses who desire to get an infusion of turned up to mellow for a crop of turnips.the very best, and purest quality of thorough. It could not be plowed, for neither horses nor other localities, which his owner would be un-

of the country with pleasure, it is with un-mingled satisfaction that a few of us here learn from a Michigander friend, of the establishing, in good quarters, near Detroit, of the English thoroughbred horse, Stone Plover. He is to be kept at Plymouth, in Wayne county, about thirty miles from the

we cannot but congratulate the people of his adopted State upon his advent among them. It may mark an era in the history of the horse in Michigan, as important as Messenger was to the whole country. He is a bay, with black points, upwards of sixteen hands, and described as remarkable for symmetry of form, and majesty of carriage, with splendid limbs, and the points of a first-class horse to perfection. Of his pedigree, there is no doubt—we have seen the documents most satisfacfection. tority authenticating it. It may be rememstock.

Again, the committee recognizing the fact

and that your London correspondent, "Cenin May, 1851, by Count Bathyanny, who en-Williams, then of Canton, Cardiff, who afterwards, in the fall of 1856, brought him to this country, and now owns him. Having been ably calculated to elevate the stature, and fill up the form, of the stock he will be mostly used for. Michigan has not paid much attention to the Turf, and therefore his harem will not be graced by as many thoroughbred mares as could be wished. But there must be many fine trotting and road animals about Detroit, which should produce superior stock from his embraces. Detroit is justly celebrated in the trotting and pacing annals of earlier days, when the ice on its beatuiful river was periodically made to curve and crack under the rapid movements of Canadian habitants gay pony. And we may add that some of its

ns have shown commendable enterprise

provement, by the purchase and introduction gian variety, and of the Long Orange. It was

of horses from Long Island.
"There is one feature in Stone Plover's engagement in Michigan which is noteworthy, and having expressed some views on the subject heretofore, we cannot forbear referring to quarter of a pound was sufficient seed for It is the very reasonable price which his services are offered-being \$25 the season. Turf men and breeders are alike interested in encouraging the increase of good animals; but the high prices at which stallions the rough ground and the little time for prepaare often advertised, deter many from improving, and drive more to the employment of getters which are unfit for anything but to be knocked in the head. The introduction of such horses as Stone Plover at such fair rates, must soon work a change for the better. We ho e to hear good reports of his colts in a short time, and, meanwhile, again congratulate our "wolverine" friends on the opportunity now presented them for great strides in equine improvement. New York, April 2.

The Pike's Peak humbug has at length assumed the form which it should have had some months since. People are realizing that they have been taken in and done for by a set of sharpers and swindlers. We know of many good farmers in comfortable circumstances in this state, that would lis-The potatoe c op has also been planted in ten to neither rhyme nor reason, on the sub-

many places, and is coming up. All the ject but were bound to try Pike's Peak at any crops planted this season prove three to four or all hazards, and who started for that portion of the territories this last spring. They are now beginning to learn the truth of what was told them before they started. Pike's Peak has cost this state full as much as the whole region will be worth for the next twen-

at the Agricultural College Farm!

Immediately next to the yard that surrounds the Boarding Hall is a very sandy knoll, and on the east side of it is a marsh, through which there has been run an underdrain. Last year there was a crop of turnips grown here. Around the border of this marsh is a strip of land from one to two rods in width, where the sand has encroached on the marsh, and which therefore affords a very melthat all doubts as to his identity might be at low rich soil. The marsh itself is a complete once dispelled. We now publish a letter published, which will eventually be of great lished in Porter's Spirit, which the editor of service to the land around it. This year, that journal endorses; and to which we can however, it has been spaded from one end to only add, that we should advise those breed- the other by the students, and the raw muck they are on the list. This arrangement has bred English blood into their stock, to make oxen could pass over it. The strip of land use of this opportunity, as there are offers of around the marsh is that which has been used far higher remuneration for such a horse in for carrots, in part, and the sandy knoll is the remainder. The whole of the piece when wise to refuse, and which lead us to suppose plowed up was found full of grubs and roots, and there are both standing trees and stumps on the sandy knoll. Both pieces were first "Looking upon every effort towards im-provement in our stock of horses in any part a yoke of oxen with a heavy triangular drag, plowed on the 21st of May, and on the 24th with teeth six inches on the under side, was put on to tear up the soil and break up the roots; one hand followed, picking up the grubs and piling them up. When this was done, a new iron wheel cultivator, made by Messrs. Moir & Hunter, of Northville, was tried in this piece of land for the purpose of mellowing still further what the heavy drag had left. This implement, which was worked with a pair of oxen and a pair of horses, did its work admirably, and although the stumps were somewhat numerous in the piece, it was worked around them with little trouble, as it runs on three wheels, the forward one being on a pivot. This implement was followed with a fine tooth harrow, and finally the whole piece was rolled. This series of operations had the effect of making the soil, both porbered by some of our readers, that inquiry was tions of which were light, and too loose for good cultivation, compact and firm. That portion which was next the marsh, and upon Again, the committee recognizing the fact that considerable efforts have been made to infuse some thoroughbred blood into the horses of the State, have made a class, in which previously the cattle sank half way up the leg, became so firm that they walked firmly over it, The sandy knoll also became so closely compacted that it seemed to have the sank half way up the leg, became so firm that they walked firmly over it, The sandy knoll also became so closely compacted that it seemed to have so closely compacted that it seemed to have horses may compete. As it is from this kind He is by Cotherstone (son of Touchstone,) out twice the substance it had previously. Even of the Wry Neck, by Slane, and was bred by Lord Spencer—foaled in 1850, and purchased amount of small roots and pieces of sod that were not only unsightly, but would of course were not only unsightly, but would of course

The novelty consists in the combination of black lines

with the under wing of the envelope in such a way as to which he did actually run accordingly. In carrot. To get rid of these, two students the year 1855, he was let for the stud to Thos. commenced at one side of the piece, and hand raked the whole length that it was deemed proper to make the rows; as soon as three winters in the West, he must have be- this was done, a line was stretched along, and come acclimated, and, from his size, is admir- two more commenced and continued to mark out the rows with hoes, and to move the line as fast as required; the distance between each row being twenty-five inches. This distance was selected because it may be deemed most economical to work between the rows with a horse hoe, if one can be found that will be suitable. One student then followed. sowing the seed by hand, and another covered the rows as fast as it was sown. In this way, in nine hours' time, at least half an acre was

> manner. of late years, in their endeavors to secure im- The seed used was of the large white Bel- side of the car were students bearing green palm

put in water to steep for thirty-six hours, and then mixed with dry fine sand just previous to sowing. In this way it was found that a at half an acre. How the crop will turn out, we cannot say, but so far the work has been done, and we think is done well, considering ration that has been afforded this season .-Had it been deemed advisable to spare the teams from other more important work, a large amount of manure ought to have gone upon the sand knoll with some of the adjacent muck, but this work should have been done at an earlier date, and when the tearing up of rough, unbroken corn and potato ground was less pressing. Of the result of the treatment, and of the further culture of this crop we shall notify-our readers from time to time. We have here a piece of the same kind of ground reserved for a trial of mangel wurtzel, and which probably will be sown during the present week. Next to these roots will come the rutabaga crop, for which some preparations are being made now by burning and logging a river flat.

Scientific Intelligence.

Agricultural Patents issued for the Week ending May 3d, 1859.—Clark Lane Hamilton, O. Horse power. G. W. Richardson, Grayville, Ill. Seeding machines. J. W. Goodale, East Wallington, Vt. Steam spading nachines. These machines are designed to operate on a large scale, and to supersede the use of the steam plows ecently introduced.

T. G Gleason, Rochester, N. Y. Cleaning grain. Henry Marallus, Amsterdam, N. Y. Harvester. W. P. Miller, Marysville, Cal. Propelling plow. S. Shinn, Philadelphia, Penn. Corn and cob cutter. J. D. Smith, Lancaster, Ohio. Harvesting machine. A. W Wood, Hoosick Falls, N. Y. Harvesting ma-

Agricultural Patents issued for the Week ending May 10th, 1859 .- Milton Alden, Auburn, N. Y. Culti-

L. F. Bingham & N. O. Pierce, Chicago, Ill. Corn

A. W. Brinkerhoff, Upper Sandusky, O. Corn planter, C. M. Bryan, Wright, Mo. Plow. This is an improvenent in the manner of attaching the mold board to the

plow, of which the Scientific American remarks: me plows have reversible moldboards, and a share at each end, so that both may be displaced by reversing the moldboard, and the new one put in its place. This nvention is an improvment on such plows, and con in the peculiar arrangement of the parts, or the method of attaching or applying the moldboard to the plow, whereby the moldboard may be readily adjusted on the plow, and at the same time firmly secured to it, so as to prevent the possibility of the casual movement of the moldboard."

S. V. Essick, Moultrie, Ohio. Machine for loading hay. T. J. Burrall, Geneva, N. Y. Machine for sowing fer-

J. B. Crist, Evansville, Ind. Grain separator. E. Davidson, Batesville, Ark. Plow. W. C. Doss, Lavacca, Texas. Cultivator. Stephen Elliott, Richmond, Ind. Straw cutter. D. S. Fisher, Mauckport, Ind. Seed planter. J. H. French, Syracuse, N. Y. Harrow.

R. B. Gilbert, Southerland Springs, Texas. S. E. Hartwell, New York City. Corn planter. S. Henry, Chenoa, Ill. Seeding machine. M. G. Hubbard, Penn Yan, N. Y. Harvesters.

J. C. Moultrup, Ohio. Plow. W. Nichols, Georgia. Plow. I. B. Palamountain, Tarboro', N. C. Cultivator.

G. S. Reynolds, East Bethel, Vt. Horse hay rake. D. M. Smith, Springfield, Vt. Seed planter. S. Thomas, Burnett, Wis. Harvesting Machine. G. W. Toleman, Augusta, Ky. Rotary harrow. E. Van Camp, Beadington, N. J. Hillside plows. J. Vaughn, Magnolia, Ill. Grain separator.

M. Willard and R. Ross, Vergennes, Vt. Harvester. W. H. Wilson, Denton, Md. Harvester. T. J. De Yampert, Shohola, Penn. Plow. This plow is provided with a rotary share which facilitates its mo-tion through the land, and more thoroughly breaks up

G. G. Belcher, Worcester, Mass. Pruning knife. The object of this invention is to make the blade of the knife perfectly rigid with the handle when the knife is opened, and at the same time it is so arranged that it can be pened and shut quite easily without any danger of cut-

ting the fingers.

W. H. King, Charleston, Ill. Corn planter. J. B. Marion, Heightstown, N. J. Machine for digging

and gathering potatoes.

Among the patents recently issued, we notice one to Capt. S. Dustin, of Detroit, for a low water alarm for

team boilers.
Of the business connected with the Patent Office Department, the Scientific American remarks: "We may safely presume that there never were so many patents issued from any Patent Bureau in the world in one week, through our branch office at Washington,"

Self-Ruling Envelopes.-Mr. G. F. Nesbitt, of New York city, the Government contractor for the supply of stamped envelopes, has introduced a new envelope into the market, which is at once convenient and simple. be concealed from the observation by the side wings, except when the face and back are pressed tegether to receive the superscription. The millions of people who are accustomed to write on ruled paper will find it an inestimable gain in the appearance of their addresses of envelopes.

General News.

The Quickest Trip .- The Vanderbilt, which arrived at New York on Saturday, made the quickest transat antic trip on record—her time being nine days, nine hours and twenty-six minutes; distance 8,115 miles.

Michigan Southern Steamers.—The Buffalo Com-mercial is informed that the Michigan Southern line of steamers will be run commencing the first of June.

The Advertiser of this city does not believe it.

The Funeral of Humboldt .- The funeral of Alexande You Humboldt took place on the 10th inst. All that represents science, art and intelligence in Berlin joined in the procession. Three chamberlains in gold costume, bearing the orders of the illustrious deceased, preceded the funeral car, which was drawn by six horses from the Royal stables. Upon the car was a simple uncovered completely finished in the most workmanlike of oak, adorned with flowers and laurel. On either

branches. A line of carriages of immense length closed the procession. The Prince Regent and all the Princes and Princesses assembled in the Cathedral, awaiting the arrival of the great philosopher's mortal remains. mournful aspect overspread the whole town,

-The Emperor Napoleon III completed his 51st year

The Empress Eugenie completed her 88d year on Wednesday, May 4th.

-Queen Victoria was 40 years old on the 24th inst. -The Rev Mr. Stowe, and Mrs. H. B. Stowe will visit Paris in August, on a visit to their two daughters wheare at school there.

- Peterson's Detector warns persons who are compelled to handle bank notes not to wet their thumbs while counting the notes. It remarks that if the thumb comes in contact with the tongue after handling a note from the pocket of a man injected with the small-pox, the infec-tion is as sure to take effect as the inoculation of a child. Some of our Michigan editors think they are as good as insured for life against the small-pox, if they don't

catch it till they are caught counting over bank notes. —A letter passed through a rural post office in North-umberland, England, not long since, bearing the fol-lowing address: "For the Girl at the Heatheryshank near Cow Gate near the toll near Slatyford Newcastleon-Tyne on that side of the road fartherest from Kenton and near to the Bath House next to Byre joining the stable close to the cart shed and not far from the Barn

Camp Meeting .- A camp meeting is to be held near Dixboro, Washtenaw county, to com

and Thrashing Machine."

day of June and close on the 21st .- Ann Arbor News. The War and Molasses .- Molasses has gone up four or five cents per gallon within the last week at Portland, Me., the great depot of West India molasses, in consequence of the war news.

Literary News.

Remarkable Coincidence. - Somebody has sent the editor of the Niles Inquirer a copy of Miss Muloch's "Thoughts about Women;" and, in attempting to express his thoughts about the book, he has repeated word for word the notice we gave of it in the FARMER for Feb. 26th. As this is done without so much as "by your leave," or "thank you," we look upon it, either as a remarkable coincidence of thought and expression, or as evidence that our friend of the Inquirer has repudiated the credit system altogether. Which is it?

Charles Scribner has published the "Life of General Havelock, K. C. B." written by J. T.

Headley.

Bailiere Brothers, of New York, have got out Part I. of the Complete Writings of Thou Say, on the "Entomology of North America," edited by John L. L. Conte, M. D., with a Memoir of the author by George Ord, late President of the Academy of Natural Sciences of Philadelphia.

Two hundred thousand copies of Spurgeon's Sermons, it is said, have been sold by Sheldon & Co. of New York, the American publishers. The ninth edition of the fifth series has just been

The "Recollections and Private Memoirs of Washington, by his adopted son, George Washington Parke Custis,," edited by Benson J. Lossing, are shortly to be published in an illustrated 8vo. volume, by Derby & Jackson.

23 Among the novelties in preparation for the next publishing season is a new serial work by Mr. Thackeray. It will form the most attractive feature in a monthly periodical to be published by Messrs. Smith, Elder & Co. The publication of the "Virginians" will occupy some four months longer.

It is said that Sir E. Bulwer Lytton will make about £15,000 out of his last novel, "What Will he Do with It?" Another 5,000 edition of his twoguinea four volume has been issued. Say the profit to him is only a clear half, (says the Court Journal.) and there goes into his pocket a sum equal to his year's salary as Secretary of State.

G. P. Putnam publishes the 5th and final volume of Irving's "Life of Washington." It includes the presidential terms and closing years of Washington's life; an appendix containing the Farewell Address, with the author's revisions and corrections; an account of the various portraits of Washington, and other documents, and a copious index to the five volumes.

Mrs. Mary E. Bryan, editress of the Atlanta Temperance Crusader, has been elected principal of the Belles-Letres Department in the Griffin (Ga.) Female College, and has accepted this

Foreign News.

The Royal mail steamship Asia, from Liverpool, 14th, arrived the 26th inst.

Napoleon's departure from France was a perfect ovation, and the reception at Genoa, where he arrived on the 12th, was most cordial. He issued a stirring address to the army enjoining discipline, and stating his only fears were that they would show too much enthusiasm, He was excted to proceed to the army on the 14th. The King of Sardinia visited the Emperor at

Official-Sardinian bulletins continue to report retrograde movements by the Austrians, whose head quarters were at Rabbion. The Sardinians had retaken their former posi-

The Britssh government formally proclaims strict neutrality and warns its subjects against vi-

olations. The War department has issued an important notice authorizing the formation of volunteer corps throughout England.

Activity in the English dock yards is equal to that at the height of the Crimean war. The Parliamentary elections are nearly all over.

The result is as last reported. The army of Lyons was under orders for Italy. This would raise the French troops in Italy to

about 209,000. French legislation on the corn laws is postpon-

The Bank of France lost 25,000,000f, in specie during the month. The Bourse has been active and higher, but declined three-fourths on the 13th; closing at 91f. 5c.

The projected mission of Prince Windischgrats to St. Petersburg is abandoned.

The German Diet has adopted a proposition to

put the Federal garrison on a war footing.

The Prussian chambers have both authorized a

war loan by the government. Advices from Turkey report increasing agitation in the provinces.

The Kousehold

"She looketh well to the ways of her household, eateth not the bread of idleness."—PROVERBS.

EDITED BY MRS. L. B. ADAMS.

SONG FOR MAY.

BY MRS. L. B. ADAMS.

While the fresh green grass is springing. Starred and gemmed with countless f And the sweet young May is bringing Perfume from her far-off bowers, While the robin's song is ringing Through the balmy morning hours Every poet too is singing, Singing of the sweet May showers, Of this lovely world of ours.

Hark! the blue bird's song entrancing From the budding orchard rings, While the rosy light is glancing
From his restless azure wings.
Poets, while the Spring advancing Thus her cheering music brings, O remember that to mortals Ye are birds without their wings Poet birds, and bird-like poets, Each is happiest while he sings.

Then together join in chorus Welcome in the smiling May; Bless the green buds bending o'er us, They'll be leaves another day; Bless the wind that goes before us, Waking beauty in our way, Till we dream it doth restore us Back to Life's sweet April day. Birds and poets join in chorus Hail the birth of blooming May.

Industry and Education of Women.

The April number of the Edinburgh Review contains a very elaborate article on "Female Industry," the statistics of which are collected from various reports and works published in Great Britain within the past eight years. From the facts gathered together from many reliable sources, it appears that out of six millions of women, above twenty years of age, in Great Britain, exclusive of Ireland and the colonies, no less than half are industrial in their mode of life, and more than two millions are independent in their industry, are self-supporting, like men. And the proceedings of the the new Div rce Court, and matrimonial cases before police magistrates have disclosed facts which make the thinking public open their eyes with astonishment at the amount of female industry in their midst. Almost every aggrieved wife who has sought protection, has proved that she has supported her household, and has acquired property by her effective exertions. Thus, it is being found out, slowly but surely, that women are of some use in the world, after all, and the Review very truly says, "This fact is one which cannot safely be made light of or neglected."

It is not the want of will or energy or ability to work that brings so many women to pauperism and crime; it is rather the lack of advantages to qualify them for appropriate spheres of usefulness, and the miggardliness of the compensations that are granted them even when qualified. The last census of England gives 128,418 as the number of women over twenty years of age, engaged in agriculture, exclusive of the wives and daughters of farmers, and of that number 64,000 are dairy women whose wages average only from forty to fifty dollars a year, with board and lodging. Our Review says of this work, "It is much harder for women, and more injurious to health than hoeing turnips and digging potatoes. On a dairy farm the whole set of labor has to be gone through twice a day nearly the whole year round; and any one who has seen the vessels on a Cheshire farm, the width of the tubs, the capacity of the ladles, the strength of the presses, and the size of the cheeses, will feel no surprise at hearing from doctors that dairywomen constitute a special class of patients, for maladies arising from over fatigue, and insufficient rest. The professional dairywoman can usually do nothing else. She has been about the cows ever since she was tall enough to learn to milk, and her days are so filled up, that it is all she can do to keep her clothes in decent order. She drops asleep over the last stage of her work; and grows up ignorant of all knowledge, and unskilled in all other arts.-Such work as this ought at least to be paid as well as the equivalent work of men; but, of the 64,000 dairywomen of Great Britain, scarcely any can secure a provision for the time when they can no longer lean over the cheese tub or churn, or carry heavy weights."

The census referred to above, shows that in 1851, there were in Great Britain, exclusive of Ireland and the colonies, 385,000 women employed in textile manufactures, such as fabrics of cotton, woolen, flax, silk, paper; 40,000 are engaged in mechanical arts, such as metal works and earthen ware, and upwards of half a million in mrking, mending and washing articles of dress. Here are upwards of a million of women above twenty, earning an independent living by their own indus-

try, and the Review justly says, " Their condition, claims, and prospects ought to be as important and interesting as those of any class of men in the community."

All these women are employed at barely living rates, so that they have no hope of a future competence to look forward to, and, a teacher must necessarily lower his standard tude that no time is left for their improve- believed in raising them to hers; and she was ment in the domestic arts, and they are consequently bad housekeepers, and illy qualified for the management and training of children, defects which tell sadly upon the young who are r sing up to fill their places.

In this very able and liberal paper, all the various trades, arts and occupations are peinted out in which women might be em. ployed, profitably and advantageously to great hindrances which stand in their way, both of which, however, may be overcome by patient and persevering effort on their part, combined with a broader humanity and a more philanthropic generosity on the part and trades. The jealousy of men, and the lack of education in woman to fit her to compete with them in bus ness, are the two great obstacles in the path of her advancement, women persevere in conquering the last named they cannot educate themselves alone, they want the aid extended to them that is given to their brothers, to make them equally helping themselves that they will get help. High schools, colleges and universities will never open their doors to women unless admission is demanded; but it is not alone in the lack of scholastic learning that woman's inequality lies. If she would succeed as her brother does, she must cultivate in herself the qualities that ensure his success

In connection with the subject of education we copy the following remarks from the Report of the Rev. J. P. Norris, one of the Inspectors of Schools in England. The sug gestions are as applicable here as there:

"But I much fear the chief reason that more is not done in this direction, is the very general apathy that prevails in the matter of girls' education. Why is it that, where you find three or four good boys' schools, you will all the book larnin' they get in the whole find barely one efficient girls' school? Why week besides. I've ben in to two or three of is it that in pamphlets and speeches, and schemes of so-called national education, they are almost uniformly ignored? The reason are two-fold: a very large number of people who are interested in the progress of education think of it only in connection with our national wealth; they mean by education the extension of skill and knowledge as essential elements of productiveness, and, therefore, its wuth more to with girls, schooling is a matter of little or preachin' we get."

The Doctor did sons, who, from native illiberality of mind, are opposed to all education, though ashamed to confess this generally, do not blush to own it with respect to girls. So that on either for girls three out of four of the girls in my district are sent to miserable private schools, where they have no religious instruction, no discipline, no industrial training; they are humored in every sort of conceit, are called 'Miss Smith" and "Miss Brown," and go into service at fourteen or sixteen, skilled in crochet and worsted work, but unable to darn hole or cut out a frock, hating household work, and longing to be milliners or ladies' maids. While this is called education, no wonder that people cry out that education is ruining our servants, and doing more harm than good!

"But there are other evil results arising from the neglect of girls' education, far more serious than the want of good servants;—as the girl is so will the woman be; as the woman is, so will the home be; and as the home is, such, for good or evil, will be the characsecular, given to boys, will secure them from drunkenness or crime in after life. It may be true that knowledge is power, but knowledge s not virtue. It is in vain for us to multiply the means of instruction, and then sit own and watch the criminal returns in daily expectation of seeing in them the results of sympathy. The Doctor yielded to the mothour schooling. If we wish to arrest the er's entreaties to stay with them while the growth of national vice, we must go to its real seminary, the home. Instead of that thriftless untidy woman who presides over it, driving her husband to the gin palace by the discomfort of his own home, and marring for life the temper and health of her own child by her own want of sense, we must train up one who will be a cleanly careful housewife and a patient skilful mother. Until one or two generations have been improved, we must trust mainly to our schools to effect this the daughters of the working classes. We must multiply over the face of the country girls' schools of a sensible and practical sort. The more enlightened women of England must come forward and take the matter into their own hands, and do for our girls what Miss Fry did for our prisons, what Miss Carpenter has done for our reformatories, what Miss Nightingale and Miss Stanley are doing for our hospitals."

Mary Morris and her Pupils.

CHAPTER III.

AN END OF SCHOOL DAYS.

Dr. Freeland looked upon children as beings without reason or understanding, and thought ing why with her beauty and talents and what is still worse, so complete is their servi- of intellect to their capacities; Mary Morris known; wondering if she could be really satis-

Dr. Freeland was a man of the world; he imagined that he understood human nature perfectly, and took great pride in expressing his unbounded contempt for its weakness; Mary Morris was a farmer's daughter, a quiet, thoughtful woman, without much experience as the world goes, but deeply read in the mysteries of children's hearts, tielighting to cher was good or noble in their natures; teaching and to love virtue for its own loveliness.

It was Saturday again, and Dr. Freeland as having been the means of restoring peace ng about under the trees, and once he had competent in business, but it is only by heard and seen; but let no one suppose for a from his dignity to make enquiries concerning a country school teacher. No; this knowledge all came to him in a legitimately genteel way; all through his profession.

Mr. Wisner's youngest child had been taken ill; as the Doctor was passing he had been called in, and in the course of his visits there through the week, the good, garrulous old man had told him all. The school was a theme upon which he never tired. "But the Saturday meetings," he said, "where she lectures the little ones, and talks such things to 'em as I never heard on when I was a boy-I wish I had, for I might have been a better man-them Saturday meetin's is worth more'n week besides. I've ben in to two or three of em myself, and, hard old case as I am, it done my heart good to see what ideas she stirred up, and what a change she'd made in them little fellers that not mor'n a year or two ago was the worst scamps in the neighborhood.

The Doctor did not say how much he had tures the moment the restraining influence of his own. He came to see Mary! was removed. The more he reflected on it, the greater became his curiosity to hear anlast look of love on the departing little one. er's entreaties to stay with them while the child lived, though he assured her he could do it no good. She knew that, but it would be such a comfort to have him there if there

should be any change for the better. "The change is coming;" said Mary in a were filling them.

"It is, indeed;" said Dr. Freeland in a breaking the father's heart.

death.

He was returning home late that afternoon, he pased that way, musing of Mary; wondergoodness, she had not been more publicly for the young physician was handsome, popufied and contented to spend her life in such a a choice among all the fair ones of his acquaintplace and in such employments. In her enumeration of "happy singing birds" had she forgotten the lark, that ambitious little warbler who was ready always to spring to the skies at the first flush of morning sunlight?

No, Doctor; nor had she forgotten that its home is on the earth, wherever its song may be sung. In truth, the lark was Mary's fittest emblem. All deep and warm affections themselves and to the world, but for two ish and strengthen with judicious care all that were slumering in her heart, ready to spring forth on their beautiful wings at the them to shun vice for its very hideousness, first blush of life's morning sunlight, love .-Her existence had been as quiet, calm and unvarying as a starlit summer night, in respect was riding past the little country school- to the passions and emotions of her own of the men who now monopolize those arts house. He had passed it regularly every day heart; otherwise her life had been far from for the last two weeks. He had learned that an idle or useless one. Her school days had the little pale cheeked, dark eyed Mary Mor- been devoted to study, and the past three ris taught school the e; he had heard that years to the unremitting duties of a teacher. old Mr. Wisner looked upon her as little less Mary's mind was the broad, rich meadow, and both in the old world and in the new. If than an angel; that 'Squire Bell blessed her from its luxuriance many hitherto starving souls had been supplied, and many refreshed difficulty, the first must eventually give way to his household; he had seen the happy lit- by pure draughts from its gushing springs of derly she loved her little flock till she came to to the force of circumstances. It is true, the phebe birds and wrens and robins flutter- thought; but in the centre was the lark's nest with its precious inmates yet asleep .seen the mistress herself as she came out upon | And had there been no effort to awaken them? the porch to call them in. All this he had Yes; more than one presumptuous meteor had flashed around, and spont its little fervor could they look forward? What assurance moment that Dr. Freeland had stepped aside in the vain attempt to prove itself the sun; had they that their next teacher would not and once, the wan old moon its last quarter, be the very opposite of what she had been unput on a sickly glare and peeped into the nest | do all that she had done, and, as little Benny But larks never mistake meteors nor moonlight for the sun; nor, though the sun be assurance had they, asked George Bell, that clouded, can they be made to sleep when it they would ever have another teacher who has once arisen.

Wisner was to have taken her in the farm again in the whole wide world?" sobbed wagon, but since the child's death he was obliged to go in another direction to notify relations of the funeral. But she was accusalong that familiar road, often accompanied now, alone.

She was in sight of her father's house when Dr. Freeland overtook her. He dismounted, threw the bridle reins over his arm, and walked by her side to the gate. She had been saddened by the events of the day, and conversed but little; yet there was intelligence It would do you good to hear her, Doctor; in her eyes, and a gentle sweetness in her its wuth more to us than a sight of the voice and manner which pleased the young physi ian, and led him to exert his powers of heard, but his philosophy was sadly at fault heart answer. That little heart was very still better and higher than I," said Mary, and to reconcile what little he did know of Mary for a moment the next Monday morning placing a small Bible in his hand, she conand her teachings. As he came in sight of when, bending over the copy books on her hand the girls' school is neglected. And the school-house this morning all that he had what is the result? For want of good schools heard came freshly across his mind, and he horses' feet along the road; and so it the school have near you; you know its Author and what is the result? For want of good schools heard came freshly across his mind, and he horses' feet along the road; and so it the school have near you; you know its Author and what is the result? For want of good schools heard came freshly across his mind, and he horses' feet along the road; and so it the school have near you; you know its Author and he horses' feet along the road; and so it the school have near you; you know its Author and he horses' feet along the road; and so it the school have near you; you know its Author and he had been careful to the school have near you; you know its Author and he had been careful to the school have near you; you know its Author and he had been careful to the school had been c heard came freshly across his mind, and he horses' feet along the road; and so it was Teacher, call upon him often; he will teach wondered if the young lady herself felt satis- every day through the week; but on Satur- and guide you." fied with such trophies of success as that day when she met him at her father's house, wicked old ignoramus transformed into a it fluttered fast enough, and sent the bright, saint, and his thick headed children moulded tell-tale blushes to her cheeks and temples. into paragons of perfection, which perfection | No one at Brook farm had thought of falling and saintliness he doubted not would degen- ill just then for the Doctor's special benefit, erate into vices more congenial to such na- but he had the manliness to make an errand

Dr. Freeland though having little personal acquaintance among the younger members of vain at the sky to day; it was most provok- stranger to them. The eldest daughters had ingly clear and cool; there was not the sha- been among his playmates at the village dow of an excuse for him to seek the shelter school years before. But he had been at colof the porch. He rode on to Mr. Wisner's lege and spent a year or two in traveling that the dishonor of single women prevails from his little patient. As he entered the since then; and had, at the time of which we destitution, and that of married women from w ter of our population. My belief is, that England will never secure the higher benefits low chair with the dying child in her arms.—

expected to result from national education,

The mother was walking the room and wring.

The mother was walking the room and wring.

The mother was walking the room and wring. expected to result from national education, until more attention is paid to girls' schools.

The mother was walking the room and wringing her hands in anguish; John sat in the corner trying to calm his little brother who been called to attend upon Mr. Morris in the speeches in the course of the evening session in was crying bitterly in his arms, and the father absence of their regular family physician.was bending over Mary and bestowing his Then he had observed the changes time had Wendell Phillips also made an effort, but, accordmade in his former school mates; and saw ing to reports, seems to have met no better recep-ted that Mary the little one with brown tion than the ladies. He did, however, succeed in It was a scene that few could witness without also, that Mary, the little one with brown come with them once a fortnight, when the boys declaimed, and the girls read compositions, was grown to be a slender, intellectuallooking girl, with the same expressive eyes, but with that wealth of hair put demurely away from her forehead and folded in shina low voice; and she bent her head, and ing braids around the back of her head .closed her eyes to press back the tears that This was a short time before Mary went to her school; his professional services were not again required at her father's, and he had voice equally subdued, as he sat clasping the scarcely heard or thought of her since till little wrist, and listening to the mother's ago- within the last two weeks. His curiosity was nizing sobs and the deep groans that seemed awakened by the "sermon" he had so unwittingly listened to, he was interested by what tine Chapel. The gold roses are ordinarily sent When the last breath was drawn, the wrist he had heard of her character, pleased with pulseless and the heart still, Mary resigned her personal charms, and, more than all this, the corpse into the arms of neighboring wo- Dr. Freeland wanted a wife. He had nearly

his hat and went silently from the house of had long been advising him to marry, and wondered why he did not. He wondered too, as he knew that such a step would give him and musing, as was his custom of late when an influence and a position among his patrons that he could not otherwise attain. There was no want of candidates on the other hand. lar and successful. Why he had never made ance, he could hardly tell himself; and why, whether by chance or Providence or fatality, his choice was directed to Mary Morris, let wiser heads answer when our story is told.

The history of their courtship is not necessary to the sequel; it was like many other courtships which have been read and experienced; full of gallantry and the devoted tenderness of a lover on one part, and of the earnest, trusting love of a true woman on the other. Yes; the dawn had fairly come; the glowing horizon was bright with morning sunbeams; all the larks in Mary's heart were awake now, soaring toward the source of their new-born life-soaring and singing ever.

Mary was very happy that summer. Her only source of sadness was the thought of parting with her pupils; for her school would close the last of June, and as it was arranged that her marriage should take place in the fall, she would not of course commence another term. She hardly knew how deeply and tenpart with them; and even then her grief seemed less than theirs, for she was looking forward with a sweet assurance in her own heart of a happy future; but they, to what said, " Make them as wicked as ever?" What would love them, and make them love each Mary was walking home that day; John other so, or "that we shall ever be so happy his weeping sister Lucy.

True enough; and what assurance had Mary of her own happiness? Only the hopes tomed to the walk; many of her pleasantest of a too fond, loving and trustful heart. It summer hours had been spent in rambling was with a choking voice that John Wisner bade his beloved teacher good-bye. He by some of her pupils, but still oftener as thanked her for all her kindness, and told her plainly that her encouraging words had made him a man. His father was poor and could not afford to send him to school any more, as he was now in his fifteenth year, and able to be of great service at home. He intended to work for his father till he became of age, and would spend all his leisure hours in studying such books as he could get that he would be able to understand without the aid of a teacher.-He never expected to be anything great, he said; but for all that he was or ever should pleasing. Was he successful? Let Mary's be, he had to thank her. "Thank one who is tiuned;" there is a book that you can always

She gave to each pupil some parting token of affection, and received from each some little keepsake in return. Treasures they were, though trifles, and sacredly kept for tearful reference in after years.

Household Varieties.

Woman's Rights Convention .- The National Woman's Rights Convention has been in session other sermon from her lips; but he looked in the Morris family, was, as we have said, no President, and Mrs. C. H. Hall, of Boston, Secrein the city of New York. Susan B. Anthony was

Among the resolutions adopted were the following; that every newspaper in the land carries upon its face the record of woman's dishonor; Mozart Hall, but were constantly interrupted by hisses, catcalls and rewdyism among the audience giving atterance to some fine things, and among them the following, which we copy for the great truth that is in them:

"If God gave woman faculties, He meant that she should use them; if she could write a word, that she should write it; if to write a play, that she should write it; if she could act it, she should do so. The highest sphere of woman is that in which she succeeds."

The Golden Rose .- The Pope, says a letter from Rome, recently, in accordance with annual custom, blessed what is called the golden rose. This flower, which is made of the purest gold, and ornamented with precious stones, was rubbed with balm and incense-his Holiness reciting verses explaining the mystic meaning of the benediction; after which he took it in his left hand and blessed the people. Mass was then celebrated in the Sixto female sovereigns, sometimes to princes and sometimes, stough rarely, to towns' corporations. The one last year was sent to the Empress of the men who had come in, and the Doctor took completed his twenty-eighth year; his friends of Spain,

Lady Morgan.—N. P. Willis, in the Home Jour-nal, gives the following description of the late Lady Morgan, the celebrated English authoress:

"She was a person of diminutive stature, and with either a hip complaint or some lameness of limb which she did her best to conceal; though the frisk or affected irregularity of step to which she resorted whenever she had occasion to cross a room, was always amusingly ill done Her features were sharp, marked and merry; her eyes of a bluish gray and brilliantly alive—her 'false front' which was invariably a little askew adding a curiously expressive emphasis to her wittleisms. Of taste, in all that was intended for the eye, she was a glaring violation. Her costume, and especially her head-dress, seemed always an intentional drollery. No chance observer would have taken Lady Morgan, as dressed for a dinner or evening party, for anything but an Irish washerwoman in her Sunday gear.

"Yet what completeness, aptness, elegance and polish in all which she intended for the ear!-How graceful her rejoinders, how effortless her remotest reaches of wit, how refined and well-bred her small talk and compliment! A person more universally agreeable to the most aristocratic society of the world, did not exist. All ages of persons, as well as all ranks, gave her an unvarying welcome. And she bad another secret of popularity, viz: that, being wholly incapable of inspiring a tender passion, she was never engrossed by any one man to the exclusion of others. To the group of which Lady Morgan was one, every newcomer was sure to be welcome-her admirable good humor and generous kindliness of her heart coming beautifully into play with this easy dis-

Mrs. Lee Hentz -The late Mrs. Caroline Hentz was a native of Lancaster, Mass. Her maiden name was Caroline Lee Whiting. In 1824 she married Mr. N. M. Hentz, a French gentleman, associated with Mr. Bancroft, the historian, in the conduct of a seminary at Round Hill, Northamp-He was afterwards elected Profersor of Belles Lettres and Modern Languages in Chapel Hill College, North Carolina, where they removed two years after their marriage. Mrs. Hentz, jointly with her husband, subsequently had charge of minaries in the different States of Kentucky Ohio, Alabama and Florida. She died in Florida on the 11th of Feb. 1856, just five days after she had completed and mailed to her publisher in Boston, her last work, entitled "No Cross, No

Noted People .- A correspondent of the N. Y. Times thus describes some of the celebrities of

"Leigh Hunt is now nearly eighty years of age and yet his complexion has the fairness and soft ne s of youth. His hair is as white as the bloom of an almond tree, and as full and glossy as the head of a child. His brow is broad and beautiful, and his eye as gentle and as clear as that of a wo man who has never seen a cloudy day. His heart is as merry as a bird's, and his look and manner alternately playful and pensive, but without a shadow of sadness.

4. Mrs. Norton has been so often and so minute ly described to me by one of her most devoted friends, and her handsome face had been made so fami iar by paintings and engravings, that I should have recognized her among a million. Her form is tall, full and round; her complexion rich and rose-like; her teeth white; her eyes, large, lustrous and liquid; her hair dark and massive; and all over these plays a smile of most bewitching sweetness. Her conversation is brilliant and lively; and her laugh is a gush of musical inspiration.
"Time writes no wrinkles on her lovely brow."

"Kingslake, the author of "Eothen," is a small elender delicate looking man, with pleasant man-ners, and an easy talker. He is a member of Par liament for Bridgewater, and is hard at work on the History of the Crimean War."

How to Make Spruce Beer. As the season is near when pleasant summer

drinks, free from alcoholic influence, are frequently brewed by the housewife, or the well-broughtup daughters, who are taught a little of everything in the way of household duties-we append the following receipts, which are claimed to be ex-

1. Take three gallons of water, of blood warmth. three half pints of molasses, a tablespoonfull of essence of spruce, and the like quantity of ginger—mix well together, with a gill of yeast; let stand over night, and bottle in the morning. It will be in good condition to drink in twenty-four hours. It is a palatable, wholesome beverage.

2. Those who prefer mead have only to substitute honey for the molasses named above, and for one third the ginger use alspice. Half the quan tity of yeast will be found sufficient, and the bot tling should occur the second day instead of the Produce and Shipping Merchants next morning. It will be fit to drink in four days after being bottled, and will keep for many weeks, A small quantity of alcohol is formed during the fermentation, and this prevents the acetous fermentation so common to spruce beer. The essence of spruce is of course left out in the making of mead. The alcohol formed from the fermenta tion of honey, resembles that found in metheglin, while the alcohol from the fermentation of molas ses is rum. Those who imagine that they can make either spruce beer or mead without forming any alcohol, are mistaken.

3. Prepare a five or ten gallon keg, in proportion to the size of the family-draw a piece of coarse bobinet, or very coarse book muslin over the end of the faucet that is inserted into the keg, to prevent its choking, a good tight bung, and near to that a gimlet hole, with a peg to fit it tight,

Rceipe for five gallons .- One quart of sound corn, put into the keg, with half a gallon of molasses; then fill with cold water to within two inches of the bung. Shake well, and in two or

three days it will be fit for use. Bung tight. If you want spruce flavor, add one teaspoon of essence of spruce-lemon, if lemon is preferredginger, or any flavor you prefer. The corn will last to make five or six brewings; when it is exhausted, renew it. When the beer passes from the vinous to the acetous fermentation, it can be cor-

rected by adding a little more molasses and water This is a simple, cheap beverage, costing about three cents a gallon. After the beer becomes ripe, it ought to be kept in a cool place, to prevent i from becoming sour before it is exhausted.

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MANUFACTURED BY C. AULTMAN & Co., Canton, Stark County, Ohio.

After tolling and experimenting for many years, we have finally succeeded in getting up a machine that is perfectly adapted to cut both Grain and Grass. The public are already aware that we have been manufacturing a Mowing Machine that has been unrivalled in any market. But the Farmer wants a machine that will cut both grain and grass, provided he can get a combined machine that will mow as well as a machine made expressly for mowing; and reap as well as a machine made expressly for reaping. This we furnish in our New Machine. First,—We have a perfect Mower, having several advantages over all other Mowers, and no disadvantages, which will be readily seen by examining some of its points of excellence.

Second,—We have a perfect Reaper, which has all the advantages of a single machine, and the only true way of delivering the grain at the side of the machine.

We have a cutter bar and platform for cutting grain, independent of the Mower, so that in changing the Mower into a Reaper, we just uncouple the cutter bar at the hinge and couple the Reaper platform which renders the machine complete for cutting Grain.

In having two cutter bars, one for grass and the other for grain, each is perfectly adapted for doing the work it is designed to do, thus avoiding the great difficulty here to fore existing in combined machines, in having the cutter bar either too long for grass or too short for grain.

This machine has been thoroughly tried, both in grass and grain, having had a number in use the past harvest. The following are some of its points of excellence as a Mover:—

The following are some of its points of excellence as a Mower:—

a Mover:—

1st. It has no tone pound of side draft.
2d. It has no more weight on the tongue, or horses' neck, than a wagon.
3d. Its draft is only 275 pounds—so reported by the Committee at the Ohio State Trial, 1857.

4th. It runs on two wheels which serve as drivers.
5th. It has an adjustable entter bar and accomodates itself to an uneven surface of the ground.
6th. The cutter bar is in front of the driving wheels and the seat in the rear. Thus enabling the driver to see the operation of the cutters, without interfering with his driving. Also, avoiding all danger of falling into the knives.

knives.
Tth. The driving wheels have no cogs on them, but drive the gearing by means of palls and ratchets,
Sth. By means of these palls and ratchets, the knives cease to vibrate in backing the machine.

9th. The driver, while in his seat, can see every bolt,

cease to vibrate in backing the machine.

9th. The driver, while in his seat, can see every bolt, box, and all the gearing when the machine is in motion.

10th. The gearing is all permanently arranged in the centre of the frame, distant from the driving wheels, thus avoiding all tendency of its being elogged up with mud or dirt thrown up by the drivers.

11th. The cutter bar being attached to the machine by means of hinges, can be folded up on top of the machine without removing the connecting rod, knife or track cleaner.

track cleaner.

12th. The palls on the driving wheels can readily be thrown out of goar, and by folding the cutter bar as above stated, renders the machine as portable as a com-

above stated, renders the machine as portable as a common cart.

18th. There is a wheel on the shoe next the gearing in front of the cutter bar, thus avoiding all tendency of clogging at the near shoe, in passing over cut grass.

14th. The off shoe is only 2½ inches wide, and the last knife cuts no more than any other, therefore leaving no ridge or high stubble at the end of each swath.

15th. The cutter bar can be raised or lowered by means of an adjustable steel spring shoe at off end, and a slot in the near shoe where the wheel is attached.

16th. There are no nuts or screws at the connecting rod, which are always liable to cause more or less trouble by jerking loose, but use a gib with a spring pall and a ratchet key, thereby avoiding all possible chance of shaking loose.

Points of excellence as a Reaper :-

Points of excellence as a Reaper:—

1st. It has all the advantages that the Mower has in the gearing, connecting rod, and draft for the horses.

2d. The grain is delivered at the side, so that a whole field can be cut without taking any of it up.

3d. The driver's seat is the same as on the Mower, affording him a free view of the operations of the machine.

4th. The raker stands at the rear of the platform which is the best position for delivering the grain.

5th. The raker with one motion, throws the grain to the side, then delivers it in the rear; thus avoiding the difficulty of dragging the grain from one gavel to another.

6th. The platform can readily be raised or lowered to suit all kinds of grain or ground, by means of two acrews, at near side, and slot at off side, when off platform.

N. STEELE is the travelling sgent, and is now soliciting orders in this State.

All letters of inquiry, or requesting further information and the state of the state of the state of the state.

E. ARNOLD,

Dexter, General Agent, or BLOSS & CO., Special Agents, Detroit

FRUIT TREES FOR SALE!

OF THE CHOICE VARIETIES.

All thrifty vigorous trees. We sold from this Nursery last year to many Farmers and Fruit Culturists, and have had no complaint of the trees dying. In every case where we have had an opportunity to examine them, they have lived and grown well, and of those we have hear from the testimony is the same. Also,

Pear, Peach, Cherry, Plum, Quince,

For sale by

BLOSS & CO.,

No. 22 Monroe Avenue, Detroit.

NALL, DUNCKLEE & CO. Would invite the attention of the Farmers of Michigan, when visiting Detroit, to their extra

SPRING STOCK CARPETS,

FOREIGN AND DOMESTIC

DR acy Silks, Black Silks.

Organdy Robes, Pohlen Robes,
Bayadere Foulards, Bareges,
Printed Robes, Frenen Prints,
Laces, Embroideries,
White Goods, Kid Gloves. DRY GOODS,

Hosiery, Sheetings, Cloths, White Goous, All Flannels, Ticks, Printed Lawns
Cambries, Gingham,
Muslin de Laines
Stella Shawls, Broche Shawls.

OUR CARPET AND FURNISHING STOCK Is complete in all its branches.
Tapestry Volvet Carpet,
Tapestry Brussels do,
Imperial Three Ply,
Extra Super Ingrain,
Superfine do, Fine Ingrain do,
Cotton and Wool do.

Silk Damask, Worsted do,
Morreens, Druggets, Green Baizes,
Cocoa Matting, Plain and Check Matting,
Git Shade, Common, do,
Shade Tassels, Cornices,
Rugs and Mats.
Window Hollands

Window Shades,
Oil Cloths, 8, 6, 12, 18 and 24 foot,
Live Geese Feathers, Paper Hangings,
Which we offer cheap for cash.
NALL, DUNCKLEE & CO.
14-1y
No. 74 Woodward Avenue, Detroit.

TO FARMERS! IF YOU WANT THE BEST



KIRBY'S AMERICAN HARVESTER
WITH ALL THE IMPROVEMENTS FOR 1859.

It was awarded the First Premium as a COMBINED REAPER AND MOWER at the Indiana State Trial in Laporte July 7 and 8, 1858, (the only State Trial that co-curred last year), and at nearly every other trial in which it was engaged.

MANUFACTURED BY

MANUFACTURED BY
BUFFALO AGRICUTURAL WORKS,
Buffalo, N. Y.

It was patented in 1856 and only seven machines made
in that year, which were put in the hands of experienced
practical farmers and thoroughly tested. They were se
successful as to induce parties to engage largely in their
manufacture, under the immediate supervision of the inventor.

manufacture, under the immediate supervision of the inventor.

In 1857 two hundred were made and sold to practical men, everything giving unqualified satisfaction, demonstrating them tolbe the best combined machine in use,—answering equally well as a Mower or Reaper, and working satisfactorily in rough or smooth, in wet or dry fields, as in standing or lodged grass or grain. There are now three large Factories making these machines and turning out many thousands. It has proved itself to be the most simple, durable and efficient machine before the public. As a COMBINED MACHINE it stands unrivalled. Surpassing the best single mower as a mower and the best single reaper as a reaper.

The following are some of its points of superiority:

The Listhest Machine in Use.

The Lightest Machine in Use.

The Mower weighing only six hundred and thirty-nine pounds, and the Reaper eight hundred and eight pounds. Lightest Draft--No Side Draft. Requiring one-third less draft than any other machina as numerous tests at trials with the Dynamometer, and the testimonials of farmers abundantly show.

Strongest and most Durable Machine. Being all IRON, except seat, pole and platform, and the weight so distributed as to give the greatest amount of strength with the least weight of iron. The Castings are made of Salisbury iron, and the finger bar is of wrought iron, with a fiange on the front edge, thus giving it great strength with light weight.

No Pressure upon the Horses' Necks. The weight of the driver counterbalancing the weight the front of the frame, and throwing the whole upon e driving wheel.

Self-Adjusting Finger Bar. In this respect it is entirely unequaled by any machine yet produced. The finger-bar works up and down independent of the driving-wheel, enabling it to go through dead furrows and ditches, among stones and bogs, and over knolls and hills, where no other machine can follow it. It can also be set to work at any height from two to eighteen inches, and the change can be made in an instant, thus adapting it to all kinds of work, whether mowing or reaping, or gathering grass or clover seed.

A Perfect Combined Machine. Working equally well whether mowing or reaping, and surpassing the best single mower as a mower, and the best single reaper as a reaper. Raker's Position Easiest Possible.

In this point it surpasses all reapers; the raker's posi-tion enabling him to deliver the gavels at the side with but one movement of his arms, which is as natural and easy as if he were standing on the ground and raking. Easily Managed and Operated.

By means of a lever the driver can at pleasure throw the cutters out and in gear; by another lever he can raise either end or both ends of the finger-bar to pass over obstructions, or move from field to field; the change from mower to reaper is easily and quickly made; the oil boxes, bolts, screws, and nuts, are easily accessible. Perfect in all Minor Points.

It cannot be clogged; has no side draft; is marvelously simple in construction, and not liable to get out of repair; is made of the best materials, and the workmanship and finish superior to any other machine in the country. The Lowest Priced Machine in Market.

The Rowest Priced Machine \$105.

The price of the Mower at Factory being only \$105, and the Combined Machine \$125; One Horse Mower \$99; One Horse Combined Machine \$100.

For sale by local agents in nearly every county in the State of Michigan.

For further information address

L. J. BUSH,

Tolede, O.,

Toledo, O., General Agent for Michigan, Wisconsin and N. W Ohio 17-9w DURNHAM & Co., Dealers in all kinds of Agri-oultural Implements, Garden and Field Seeds, Sait, Plaster, Coal, Water and Stone Lime. Storage and Com-mission. Warehouse near Rail Road depot. Battle Creek, Michigan. § 6. S. STER.LING, D. B. BURNHAM.

MICHIGAN FARMER. R. F. JOHNSTONE, EDITOR.

Publication Office, 130 Jefferson Avenue. DETROIT, MICHIGAN.

S. FOLSOM, WOOL DEALER, 90 Woodward Avenue,

DETROIT.

MICHIGAN.

THE MARKETS.

Flour and Meal.

It will be noted that the latest arrivals from the other side of the Atlantic have completely used up the buoy-ancy which had characterized the markets for the past week or two, and almost as we predicted would the case. The little speculative fever that had arisen on the first declaration of war, has completely died out. There was not the least basis for it, and from the very state of facts which we laid before our readers a week ago, it seems that the dealers on both sides of the Atlantic have come to the same conclusions we did. The best time to sell for this spring has passed, and we doubt very much if as high prices for grain and breadstuffs can again be obtained this season, or until the result of the harvest is known with certainty. At New York there has been a decline of 25 cents per bbl. on flour; at Chicago and Milwaukee we note a like change, and the late arrivals quote a de-cline in the price of wheat in the southern market of

\$1.50 on the quarter of eight bushels.

The state of flour and wheat in this market may be seen in the following quotations from our morning pa-

"In consequence of the known arrival of the steamer Asia and the suspense respecting her news and its effects in New York, business has been very slack to-day. In flour notbing has been done, but rather more wheat changed hands than has before for several days, viz.: 1,000 bushels which sold at \$1.50a\$1,60 for all grades of win-

bushels which sold at \$1.50a\$1.60 for all grades of winter."

"The market yesterday exhibited a little better turn, owing to the favorable news received by the Asia, which was received early in the morning. But few sales were made, however, and prices remained very much as they were the day before. Holders of extra would be glad to realize at \$1.50, ar leven a lower figure would be taken. As reported before a lot sold on Wednesday at \$7.57%, and another was reported at \$7.25. The range for good extras is now \$7.57\square\(\) and each of the last two days have been bushels are selling at \$1.55a1.65. Corn was selling mostly at \$3 cents in bags Oats have declined to 55a56 cents, at which all the sales of the last two days have been made. Meal is selling at \$1.75a\$1.57\square\(\), and still tending downward."

Live Stock, &c.

Live Stock, &c.

We notice that the New York market for cattle of last week, and what we have learned of the market for cattle this week, indicates that prices are about at a stand still, this week, indicates that prices are about at a stand still, the supply being large, owing in some degree to the low freights which now prevail. Several of the droves offered in New York last week from Illinois and Iowa, only cost at the rate of \$3.00 per head for transportation over the Michigan Central route via Buffalo and Albany. This is reasonably low, and no drover can very well gramble at such a price. It has given them a fine chance to make money, even at a decline. Flist class stock bring 12 cents on their estimated weight—that is about 52 to 54 lbs for every 100 of live weight. The low freights and the prices are having the effect of clearing the countries of the stand the prices are having the effect of clearing the countries. and the prices are having the effect of clearing the country pretty well of all the live stock, and there is a pro-mise that the rates will keep up fairly during the season. We should not be surprised to see beef cattle scarce and high during the fall.

We take the following remarks and sales from the N. Y. Tribune of last week, for the instruction of some of our farmers who think that cattle are beef if they only

At 1. 1712me or last week, for the instruction of some of our farmers who think that cattle are beef if they only have a hide, horns and frame:

"Geo. Sage sold at Bergen. 35 for Warren, a very hard lot of Michigan brutes at \$\tilde{Q}_0\$ 10c. \$\frac{1}{2}\$ 15.

"J. Miller & Son sold 31 Michigan cattle, of the common coarse breed, altogether too common in that State, at 10\tilde{Q}_11\tilde{\tilde{C}}_c\$ 17. Miller, and another lot of 20 head for another owner, all stags, average 6 cwt, at \$65.

"Isaac Budlong has 50 Clinton, Mich., distillers, mostly steers, average 5\tilde{C}_c\$ cwt, from ordinary to good fair quality, selling for Handford at 9\tilde{\tilde{C}}_6\$ 11\tilde{C}_c\$ Also 18 common New York State stock, for F. Reed, at 16c.

"Charles G. Teed has a hard lot of 77, from Michigan, owned by McCoy & Byant, which he hopes to sell at 10\tilde{A}11c, but it is rather slow work.

"Vail & Clark received this morning 30 heavy Michigan oxen, which, although of a rough, coarse breed, have been well fed—some of them quite fat, and of 10 cwt.—They estimate the sales at 10\tilde{\tilde{A}11\tilde{C}_c\$, and perhaps 12c ior a few."

The Tribune of the 26th, says of this week's cattle The Tribune of the 26th, says of this week's cattle

market:

"The total number of beeves received in the city this week, was 2,700.

This is 1,038 head less than last week, and 990 head less than the average of last year. The average number at each Wednesday market last year was 2,782, while the number to-day being 5,418 shows 569 head less than the average, and 788 head less than this day week."

Among the herds for sale we notice, from Michigan, the conflict of W. Dalton, 18; and Shuester & Saigle, 30

Among the nerds for saie we notice, from Michigan, those of M. Dalton, I8: and Shuester & Seigle, 30. There has been an advance of freight on the railroads since our last, all the roads leading out of Chicago now charging 70 cents per cwt. actual weight to New York, which makes the average now \$9.80 per head, instead

The following are the quoted rates:

mith bought 16 head at 41/2c. Mutton has de clined a little.

Wool.

8. Folsom of this city has purchased a quantity of old wool, good quality, at 88 to 43 cents per pound. He says the State is full of buyers from the east, and that it is thought prices for the new clip will range from 40 to

We see it noted at Philadelphia that a few clips of the new crop have appeared in that market. Prices there are quoted as "rather drooping." The eastern markets generally exhibit but little animation, and the reports generally exhibit but little animation, and the reports give very little informatian relative to what the future of wool is likely to be. The utmost uncertainty exists as to the effect that the war movements will have on this kind of produce, and we still are of the opinion that on this country it is not likely to have a favorable result, especially at the beginning. Should the war become general, there would be a strong probability of wool being higher than it has ever yet been in this country, but as long as England, Prussia and Germany keep out of the fight, there is ample reason for being of the opinion that prices will rule low, from the immense importation that will be made at low rates of woolen goods, and which must contract in a great degree the action of the American manufacturers, who are the real consumers. This is so palpable that reasonable men must see it fully as plainly as we do.

as pinnly as we do.

The report from Boston for the last week is that
"there is no change to notice in fleece or pulled Wool
since our last. Scarcely anything doing in fleece, as the
stock is very much reduced, but of pulled there is a fair
supply. New fleece will be arriving in five or six weeks."

The New York market is reported by the Economist
as follows:

as follows:

"The market this week opens dull. Large stocks of Poreign clothing qualities have been accumulated, and holders manifest an anxious desire to realize, even at reduced rates, while consumers are reluctant to purchase, most of them buying barely sufficient to carry them to the new clip, now almost on hand,"

BLACK HAWK, Jun., 1st.

THIS favorite son of Old Vermont Black Hawk will stand for this season at the stable of the subscriber in the town of Plymouth, half a mile west of the village.

Was sired by Old Vermont or Hill's famous Black Hawk Jun., 1st.

Was sired by Old Vermont or Hill's famous Black Hawk; grand sire, Sherman Morgan; g. g. sire. Justin Morgan. His dam was by Young Hamiltonian, by Bishop's Hamiltonian, by Imported Messenger. The hora of Young Hamiltonian was by Leondas, g. dam, by Bellfounder.

This horse is a let black its vice of the vice of t

dam of Young Hamiltonian was by Leonius, g. man, by Bellfounder.

This horse is a jet black in color, is fifteen hands high, and closely resembles his sire in style and action. He possesses an excellent temper, is pleasant to drive, and goes in good style. He received the first premium at the N. Y. State fair in 1857, beating Billy McCracken of Oshkosh, Wis., and distanced all competitors in a trial of speed at the N. Y. State Fair at Syracuse in 1858. His stock are of good size, excelling in speed, style, and decility.

T. W. MERRITT, Plymouth.

Address the subscriber for terms and further information.

21-Sw

VALUABLE SHORTHORNS AT AUCTION.

Thirteen head of Shorthorn Cattte, Thir-teen head of Grade Cattle,
AND ALSO
Horses, Colts, Hogs, Poultry, Pine Lumber and a large collection of farming Implements
WILL BE SOLD AT AUCTION,
ON WEDDESDAY, JUNE 1st. 1859, at 10 c'oclock A.

WILL BE SOLD AT AUCTION,
ON WEDNESDAY, JUNE 1st, 1859, at 10 o'colock A.
M. at the residence of the late Leonard Lee in the town
of Armada, Macomb county. Among this stock is the
unrivaled BALCO, now four years old, and four cows selected with great care from some of the best herds in
Kentucky and Ohio, with young stock raised from them.
Breeders are hore offered a rare chance to obtain some
of the best stock in the State.
TERMS:—Eight months credit on all sums over \$5.00,
on approved security.

HIRAM BARROWS,
Administrator.

Armada, April 28, 1859.

MT. VERNON BLACK HAWK. SELIM.

THIS well known stock horse can be found for this sea-son at the Hodges House Stable, Pontiac, Tuesdays; at the farm of the subscriber, Thursdays; at the Stable of the American Hotel, Romeo, Saturdays.

the farm of the subscriber, Thursdays; at the Stable of the American Hotel, Romeo, Saturdays.

Pedigree:
Sire, Ticonderoga, [or Felton Horse;) g. sire, Hill's Old Black Hawk; g. g. sire, Justin Morgan. Dam, descended from Messenger.

Within two years this horse has received seven First prizes. First premium for all work and diploma against Foreign Horses at the last Michigan State Fair.

The others at County Fairs. His stock received First Premiums at the Michigan State, and Macomb and Oakland County Fairs last fall.

His coits, many of them have sold for large prices. E. D. Bush Esq., of Shr reham, Addison Co., Vt., one of the best horse breeders in the State, in a letter dated January 10, 1859, says: "I have just sold a mare four years old last spring, bred by Mr. S. Root, Westport, N. Y. sired by your horse, Sellm, for \$1,425, cash. She was jet black, stood 16½ hands high and could trot fast."

TERMS: By Senson \$10.00—to insure with foal \$15.00. Good pasturage at the farm of the subscriber at fifty cents per week. All accidents and escapes at the risk of the owner.

Mt. Vernon, Macomb Co., Mich., April, 1859. 17-6w

1859. THE CLEVELAND WOOL DEPOT

Has been established over six years, and it affords the subscribers much satisfaction to know that its merits are fully appreciated by those who have patronized it during this entire time. The change made one year ago in confining its sales to cash, has met with universal favor. It is proposed to continue the cash system, and future consignors may rely upon the same prompt return which characterized our last year's business. Perhaps not quite as high figures can be obtained by adhering strictly to each, but it will insure prompt returns, and hundreds have assured us that they obtained from fee to ten cents a pound more through the Depot than they were offered last Spring from other sources, and we believe this has been true every year excepting a few of the consignments during the Fall of 1857. It should, therefore, no longer remain a question in the minds of Wool Growers or Merchants

Wool Growers or Merchants having Wool to dispose of, that this system of closely classifying and handling wool will prove the very best manner of selling wool which has yet been adopted. Sacks will be sent as heretofore to those who may or-

To those wishing to realize on their wool as soon as

rn, advances will be made AMOUNTING TO THE VALUE OF THE WOOL,

ED FOR SALE AT THE FIRST OF LEARLY PRICES.

Cash advances will be made on receipt of Wool or Shipping Bill, as formerly.

We trust that the liberal Cash advances, the long experience in the Depot business, and established reputation for our grades among manufacturers, with undivided attention to our consignors' interests, will insure us a liberal patronage.

GOODALE & CO., 16-2w

Cleveland, Ohio.

FURNITURE WAREHOUSE,

ON JEFFERSON AVENUE,
BELOW MICHIGAN EXCHANGE, DETROIT.
The subscribers keep constantly on hand a large stock of ELEGANT FURNITURE,

Both Modern and Antique Styles; in Rosewood, Mahogany and Domestic Wood.

Those wishing rich and fashionable furniture, will always find a great variety to select from—equal in every respect to anything in the Eastern market. Being in constant receipt of Pattern Pieces from the FASHIONABLE MAKERS IN NEW YORK,

WE KEEP CONSTANTLY ON HAND THE different kinds of Drain Tile, at PENFIELD'S, 108 Woodward avenue. Fowers, Threshers and Cleaners!

PITT'S 8 AND 10 HORSE, EMERY'S 1 AND 2
Horse (tread) Powers, Pease's Excelsior Powers,
Corn and Cob Mills, Corn Mill and Feed Mills, Flour
Mills, Cross-cut and Circular Saw Mills, Leonard Smith's
Smut Machines.

D. O. & W. S. PENFIELD,
No. 193 Woodward Ave., Detroit,

SUFFOLK AND

ESSEX PIGS FOR SALE THOROUGH BRED SUFFOLK and ESSEX PIGS for sale. For particulars, address
19.2w* J. S. TIBBITS, Nankin, Mich.

AGRICULTURAL BLACKSMITHING. HUNTER & MOIR.

AGRICULTURAL IMPLEMENT MAKERS, NORTHVILLE, Wayne Co., Mich., are prepared to make to order the latest and most approved
style of SCOTCH IRON PLOWS, IRON and WOODEN
HARROWS, SCOTCH GRUBBERS or CULTIVATORS with three wheels, also single cultivators—all of
wrought iron. All communications promptly responded
to, and all orders filled with despatch.

HUNTER & MOIR,

18-18w Northville Wayne Co., Mich.

AYER'S CHERRY PECTORAL

HAS won for itself such a renown for the cure of every variety of Throat and Lung Complaint, that it is entirely unnecessary for us to recount the evidence of its virtues, wherever it has been employed. As it has long been in constant use throughout this section, we need not do more than assure the people its quality is kept up to the best it has ever been, and that it may be relied on to do for their relief all it has ever been found to do.

AYER'S CATHARTIC PILLS,

For all the Purposes of a Purgative Medicine.

For all the Purposes of a Purgative Medicine.

For Costiveness;
For the Cure of Dyspersia;
For For Jaundice;
For The Cure of Indicestion;
For Headage;
For For Headage;
For A Foul STOMACH;
For The Cure of Dysentery;
For a Foul Stomach;
For The Cure of Dysentery;
For The Cure of Scropula;
For The Cure of The Sun;
For The Cure of Sunsalia;
For The Cure of Medicine.

They are sugar-coated, so that the most sensitive can take them pleasantly, and they are the best aperient in the world for all the purposes of a family.

Price 25 cents per Hox; five Boxes for \$1.

Great numbers of Clergymen, Physicians, Statesment,

Great numbers of Clergymen, Physicians, Statesmen, and eminent personages, have lent their mames to certify the unparalleled usefulness of these remedies, but our space here will not permit the insertion of them. The Agents below named furnish gratis our AMERICAN AL-MANAC in which they are given; with also full descriptions of the above complaints, and the treatment that should be followed for their cure.

Do not be put off by unprincipled dealers with other preparations they make more profit on. Demand AYER's, and take no others. The sick want the best aid there is for them, and they should have it.

Prepared by Dr. J. C. AYER, PRACTICAL AND ANALYTICAL CHEMIST

Lowell, Mass.
All our remedies are for sale by J. S. Farrand, Detroit and by all Druggists every where.



FOR SALE

AMERICAN SEED STORE 22 Monroe Avenue, Detroit, Mich.

PEABODY'S PROLIFIC CORN!

A NEW VARIETY.

It grows from three to ten ears on a stalk. Six ears planted by John W. Shaw, last year, produced one hundred busicles of sound corn. This Corn was originated by a careful scientific cultivator on Long Island. It comes up stout and is more forward than common corn. Plant two kernels in a hill, four feet apart each way. PRICE—Fifty cents per quart, or Fifteen cents per ear.

HUNGARIAN GRASS SEED!

This justly celebractd Grass Seed has been raised for two years in lows and Wisconsin, and to some extent in Illinois and Michigan, the past season. All who have raised it, invariably bear testimony to its unprecedented yield. In some cases as high as seven, and rarely under four tons to the acre of a most healthy and nutritious Grass. It yields from 25 to 40 bushels of seed to the acre, which makes good feed for horses and cattle. They not only cat it with great relish, but it keeps them in a more healthy and better condition than any feed yet tried.

PRICE-32 per Augusta

PRICE-\$3 per bushel.

respect to anymans, constant receipt of Pattern Pieces from the
FASHIONABLE MAKERS IN NEW YORK,
they are enabled to guarantee the most Perfect Satisfaction to their customers.

They also keep constantly on hand a large and complete assortiment of Plain Farniture of Mahogany, Cherry and Walnut. In short, every article in the line of Household Furniture will be found in their Stock, including Chairs of every style and price, from four shillings to sixty dollars each. The subscribers now have on hand, and make to order, best

HAHR MATTRESSES.

Their customers can rely upon getting a genuine article.
CORN-HUSK MATTRESSES & STRAW PALLIASES constantly a hand. For the trade we keep constantly a high terms by all who have used it.

STEVENS & ZUG.

We subjoin the following

Testimonials:

The ILLE MACHINE invented by JOHN DAINES, of Birmingham, Oakland county, Michigan, is now being manufactured in the most thorough manner, and is offered to the farming community as the Cheapest, Most Labor-Saving and Most Cheapest, Most Labo

Mr. J. J. Lyon, Sir:—In reply to your question asking "how I like the Hungarian Grass," I will say that it is the best thing I have ever raised for feeding stock, and I shall not raise any other hay hereafter. It cannot be too highly recommended.

Yours, SAMUEL ROBINSON.

Mr. Irwin Peck, of Ypsilanti, says that "Farmers had better plough up their Timothy meadows and sow the Hungarian Grass, as ten acres of it is worth more for stock purposes than twenty acres of any other hay."— Farmers who have raised it, unite in giving the same tes-timony relative to its merits, as do Messrs. Robinson and Peck.

Peck.

This unrivalled Grass has been raised in several counttes in the State of Michigan, the past season, by some of the most extensive Farmers in the State, who recommend it as surpassing all other crops for stock purposes. Some have raised as high as four tons of excellent hay and thirty bushels of seed to the acre, although the season was very unanvorable for it. Try it, Farmers, one and all, and you will never regret it. Sow at any time between April 1st, and July, at the rate of one bushel to three acres.

The few farmers named below, are among the many ho have raised it, and can testify as to its qualities: I. & J. Peck, Ypsilanti; S. Howell, Saline; Mathew Howel, Saline; Samuel Robinson, Saline; P. & Zeno, Comstock, Raisin; I. Vanakin, Ypsilanti; J. B. Lapham, Manchester; D. D. Tocker, Napoleon; S. A. Cady Wayne; A. Gulley, Wayne; L. Terrill, Plymouth; A. Cook, Plymouth.

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With a fine Portrait, Price 25 cents and sent free of
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IMPORTED STONE PLOVER!

THE HIGHEST AND BEST BRED BLOOD HORSE IN AMERICA.

IS OFFERED TO THE BREEDERS OF MICHIGAN and other States at the very low price of THIETY DOL-LARS the season; all fees to the groom included. The second season for this horse in this State commenced on the first of April, and will end with the 30th of July. He will stand at

The second season for this horse in this State commenced on the first of April, and will end with the 30th of July. He will stand at

Cooper's Corners, two miles from Plymouth, Wayne county, Mich.; 10 miles from Ann
Arbor; 10 miles from Ypsilanti; 18 miles from Dexter, and 22 miles from Detroit.

Mares sent from a distance will be taken and kept on the usual terms, but the subscriber will not in any case be responsible for accidents or escapes, should any occur.

Terms—The money for service to be paid at time of first trial, or an approved note to be given for the amount.

Pedigree and Description.

STONE PLOVER was bred by the Right Honorable Earl Spencer, and was fooled in the spring of 1850, and was sold to Count Bathyany at his annual sale of yearlings in 1851, and was never out of the possession of the Count until sold to the present owner, who made one season with him in England, previous to his importation.

This horse was sired by the renowned Cotherstone, winner of the Derby, out of Wryneck, by Siane, the sire of Merry Monarch, winner of the Derby, and Princess, winner of the Derby, out of Wryneck, by Siane, the sire of Merry Monarch, winner of the Derby, and Princess, winner of the Oaks, and also of many other distinguished winners. Cotherstone was bred by the celebrated Mr. Bowes, and was by Touchstone, out of Emma, by Whisker, she being the dam of imported Trustee. Whisker was of the most celebrated family in England for stoutness, he being own brother to Whalebone, Woful, Wire, all winners and the sires of winners, at long distances. Touchstone was a grandson of Whalebone.

Stone Plover is a magnificent bay horse, 16½ hands in height, on particular, short, strong legs, and great length, strength and substance, and is warranted as a sure foal getter. Independent of his great racing qualities, he is well calculated to elevate the character of all half bred stock, and to become the sire of the most valuable horses, which will be remarkable for size, spirit, endurance, and great action. He is himself o

THE TROTTING STALLION

HAMBLETONIAN,

Will stand for mares the ensuing Season commencing April 4th, as follows:

At JOHN CLARK'S, Milford, Mondays and Tuesday; At JOHN HATHAN'S, New Hudson, Wednesdays; At SAM'L LATHROP'S, Northville, Tuesdays;

At JAMES ROOTS, Plymouth, Fridays and Saturdays;
Leaving each place at 5 o'clock P. M.
From the general complaint of poor crops last year I have concluded to reduce the price of my horse for this

Season.

Terms—\$10 the Season; \$15 to Insure.

Season money to be paid when the Mare is first served, or a good note given for the amount. Persons, parting with mares before foaling time will be held responsible for the season money. All mares not regularly returned will be holden by the season. Pasture furnished at fifty cents per week. All accidents and escapes at the owner's risk. Season to close on the first of August, 1859. Grainwill be received for insurance money, delivered at my farm on or before the first day of February 1860, at Detroit prices.

HAMBLETONIAN was awarded the First Premium at the Oakland County Fair, October, 1857.

At the State Fair in Detroit last fall his colts tookmore premiums than any other Stallion in the State.

Pedigree of Hambletonian.

Pedigree of Hambletonian.

HAMBLETONIAN was sired by Geo. Barney's horse Henry, of Whitehall, Washington county, New York—he by Imported Signal, out of a Messenger mare. Hambletonian's dam by Mambrino, grandam Bishop's Hambletonian who was sired by Imported Messenger. Hambletonian is 15½ hand shigh, weighs 1150 pounds; possessing fine action, with great powers of endurance; untrained, but shows good evidence of speed. Hambletonian is a beautiful bloodbay, black mane, tail and limbs, without a white hair upon him, and for style can not be excelled by any horse in the State.

F. E. ELDRED, Detroit.

THE YOUNG TROTTING STALLION.

KEMBLE JACKSON,

WILL Stand for mares the coming season, at Spring Brook Farm, adjoining the Village of Farmington, Oakland county Mich., commencing April 4th.

Owing to the extreme hard times among farmers—loss of crops the past season, &., I have concluded to reduce

Owing to the extreme many times annual state of the price of my horses.

KEMBLE LACKSON will stand at \$20 the season. Money to be paid when mare is first served or a good given for the amount. note given for the amount.

Good pasture furnished at fifty cents per week. All accidents and escapes at the owners risk. Season to close ou the 30th day of July 1859.

Pedigree of Kemble Jackson:

KEMBLE JACKSON—(Half-sister to Iola)—Mahogany bay, 16 hands high. Star in his forehead; hind feet white half way up to gambrel joints. Foaled June 14, 1854. The property of Isaac Akin, Pauling, Dutchess Co., N. Y. Sire, Kemble Jackson; dam, Lady Moore.
Kemble Jackson was by Andrew Jackson; his dam, Fanny Kemble, sister to Charles Kemble, and sired by Sir Archy; her dam was Maria, sired by Gallatin; Maria's dam was got by Simms' Wildair, she out of a mare got by Morton's Traveler; her dam was an imported mare, name unknown, but thoroughbred.
Andrew Jackson was by Young Bashaw; dam by Why-not, by Imp. Messenger; Young Bashaw was by the Imp. Tripolitan Baib, Grand Bashaw; Young Bashaw's dam was a daughter of Messenger, said to be thoroughbred.

ed. ly Moore was out of Messenger Maid, by Membrino Paymaster; he by Old Membrino, by Imp. Messenger. F. E. ELDRED. Detroit. GEO. F. GREGORY, Agent.

THE YOUNG TROTTING STALLION ISLAND JACKSON,

WILL stand for mares the coming Season at Spring Brook Farm, adjoining the Village of Farmington, Oakland county, Commencing April 4th, at the reduced price of \$10 the Season.

Season money to be paid when mare is first served or a good note given for the amount.

Good pasture furnished at fifty cents per week, all accidents and escapes at the owners risk. Season to close July 30th, 1859.

Pedigree of Island Jackson:

Is Blood Bay 15% hands high fealed July 5, 1855. Sire Jackson, by Andrew Jackson; dam, Belfounder. Andrew Jackson was by Young Bashaw; dam, Why-not by Imp. Messenger.

GEO. F. GREGORY, Agen t.

Pedigree of Island Jackson:

Jackson; dam, Belfounder. Andrew Jackson was by Young Bashaw, by the Imp. Tripolitan Barb, Grand Bashaw; dam, Messenger.

F. E. ELDRED, Detroit.

THE TROTTING STALLION GLEN BLACK HAWK,

WILL Stand for Mares the ensuing Season as follows: At Redford, Hicks' Tavern, Monday's and Tuesdays; at Detroit, Gratiot Road 1½ miles from City Hall, Wednesdays and Thursdays; on Grosse Isle, Bachus, Farm, Fridays and Saturdays.

Season the commence April 4th, and close July 39th.

TERMS:—\$10 the season; \$15 to Insure.

Season money to be paid when mare is first served or a good note given for the amount.

Pedigree of Glen Black Hawk.

Sire, Lone Star, by Old Vermont Black Hawk; damMessenger.

F. E. ELDRED, Detroit.

DAINES' AMERICAN DRAIN TILE MAKER.

yet been put before the Agriculturists of the United States, at a reduced price.

These machines are made of iron, are easily worked, any man being able to manufacture a first rate article after a few hours practice.

They cost delivered in Detroit, only \$100. They have two dies, for three and four inch tile; and extra dies to necompany the machine cost \$2.00 each.

These machines will manufacture per day, according to the force employed, from 150 TO 250 RODS OF HORSESHOE OR PIPE TILE. The machine weighs but 500 pounds, and can be packed and sent to any part of the United States, or to foreign countries, as easily as a piano. With this machine, any farmer who has a fair quality of clay on his farm, can manufacture his own Tiles at a cheap rate, and easily save the price of the machine by avoiding the cost of transportation. The machine when in operation, takes up no more room than an ardinary sized kitchen table; it may be worked by two or three men as may be found most convenient and accommical, or a man and two boys can keep it in full operation.

For Simplicity, Durability, Economy, Cheapness, and amount of work, this Tile Maker Challenges

the World! At the present time, when thorough draining has be-ome a necessity on alluvial lands, it offers the simplest and cheapest means of furnishing farmers with a drain-ng material far superior to any other material now used and caesus and a superior to any other may be address for that purpose.

Applications for these machines may be addressed to JOHN DAINES, Birmingham, Mich.

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The Best and Cheapest Tile Machine in the World.

Forty-one first Premiums awarded to at State and County Fairs. First Premium at the National Fair, at Louisville,

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The TILE MACHINE invented by JOHN DAINES, and Estimate the Machine in the State and County Michigan is a British and a sure foal getter; will be sold at a bargain. Any one wishing a good stock horse cannot be beat; perfectly sound, and a sure foal getter; will be sold at a bargain. Any one wishing a good stock horse cannot do better than give me a call. Pedigree—Sire Lone Star, dam Messenger. Lone Star was by Vermont or Hill Black Hawk, was a jet black, and sold to a Philadelphia company for was a jet black, and sold to a Philadelphia company for State St

TO MARRIED LADIES It is peculiarly suited. It will in a short time bring on the monthly period with regularity. Each bottle, price One Dollar, bears the Government Stamp of Great Britain, to prevent counterfeits.

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These Pills should not be taken by females that are pregnant, during the first three months, as they are sure to bring on miscarriage; but at every other time and in every other case, they are perfectly safe.

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